# Emu Swamp Dam

## TERRESTRIAL ECOLOGY - FIELD SURVEY RESULTS

QE06732 | 5 March 2014


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SKM

Emu Swamp Dam

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## Contents

# 1. Introduction

This report describes the terrestrial surveys undertaken in July and October 2013 and January 2014 by SKM to provide additional information for preparation of the Emu Swamp Dam Supplementary report. The need for additional information was identified after review of the public and government agency submissions received for the Emu Swamp Dam Environmental Impact Statement (EIS).

This report is structured as follows:

- Introduction, describing the study area and objectives
- Methodology, describing desktop assessment and field survey methods
- Results, summarising the desktop and field survey results and including mapping display of results
- Discussion of results

## 1.1 Study Area

The Project is located approximately 15 km south west of Stanthorpe within the Stanthorpe Plateau sub-bioregion of the New England Tableland bioregion at the upper part of the Severn River catchment.

Geology of the study area consists of an extensive granite complex, the New England Batholith. Landform elements within the study area include loamy granite plains, alluvial drainage lines, and granite slopes and knolls.

Vegetation in the area includes remnant and regrowth native woodlands and shrublands as well as pasture areas dominated by exotic grasses. Native vegetation has been previously impacted by clearing for agriculture and rural-residential land use as well as by fire and flood events.

## 1.2 Study Objectives

Objectives of the terrestrial flora study are to:

- Identify the extent of the White Box - Yellow Box - Blakely's Red Gum Grassy Woodlands and Derived Native Grasslands Critically Endangered Threatened Ecological Community (Box-Gum Grassy Woodland TEC) in the study area and downstream of the proposed dam to put into context the impact on this community that would result from the Emu Swamp Dam Project
- Determine the population size and locations of *Melaleuca williamsii* (syn. *Callistemon pungens*) in the study area to enable quantification of the Project's impact on the local population of this species
- Collect BioCondition data to determine the condition of the vegetation/habitat to be impacted and to provide input data to establish condition values for Commonwealth and State offsets.

# 2. Methodology

## 2.1 Desktop assessment

### 2.1.1 Critically Endangered Threatened Ecological Community (TEC)

The Box-Gum Grassy Woodland is listed as a critically endangered TEC under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). The listing advice for this community provides a list of Regional Ecosystems (REs) that may contain Box-Gum Grassy Woodland (TSSC, 2006). REs that were investigated from the study area that may contain the Box-Gum Grassy Woodland are listed below:

- RE 13.3.1 - *Eucalyptus blakelyi* woodland on alluvial plains
- RE 13.3.4 - *Eucalyptus conica, E. microcarpa, E. melliodora* woodland on alluvial plains
- RE 13.11.8 - *Eucalyptus melliodora* and/or *Eucalyptus microcarpa/ E. moluccana* woodland on metamorphics
- RE 13.12.8 - *Eucalyptus melliodora* and/or *E. moluccana/ E. microcarpa* and/or *E. conica* woodland on igneous rocks
- RE 13.12.9 - *Eucalyptus blakelyi* and/or *E. caliginosa* woodland to open forest on igneous rocks

Spatial analysis was used to identify vegetation in the study area, including along the Severn River downstream to Accommodation Creek, mapped by DNRM (2011) as containing the REs listed above.

Vegetation mapping undertaken by 3D Environmental (2007) in the Project impact areas was also reviewed to determine the location and extent of these REs in the FSL and pipeline alignments.

### 2.1.2 Threatened Flora – *Melaleuca williamsii*

The following information sources were reviewed to determine where suitable habitat exists for *M. williamsii* in the study area:

- Terrestrial Flora Baseline Study, Emu Swamp Dam Project (3D Environmental, 2007)
- Australia's Virtual Herbarium (CHAH, 2013)
- DNRM vegetation mapping (Version 6.1) (regional ecosystems, high value regrowth, essential habitat and pre-clearing)
- The regional ecosystem description database (REDD) (DNRM, 2011)

In addition to review of the above data sources, specimens of *M. williamsii* held at the Queensland Herbarium were examined by SKM ecologists to develop familiarity with the species' characteristics and to note habitat information recorded on the specimen labels.

### 2.1.3 Endangered and Of Concern Vegetation

RE and high value regrowth (HVR) vegetation mapping were reviewed to determine the extent and location of endangered and of concern vegetation that would be impacted by the Project. This mapping was reviewed to assist planning survey sites and to quantify downstream impacts.

### 2.1.4 Site Selection

Survey sites were selected based on meeting the three major objectives of the survey. Survey sites included:

- 100 sites in remnant and HVR vegetation that contain regional ecosystems that are listed as potentially containing Box-Gum Grassy Woodland (98 sites within the Stanthorpe Plateau sub-bioregion and two sites within the adjacent Nandewar Northern sub-bioregion).
- 30 sites within habitat suitable for *M. williamsii*, based on vegetation mapping and known habitat characteristics.
- 28 BioCondition sites covering each endangered or of concern RE impacted by the Project as well as REs that provide habitat for threatened species.

A total of 123 sites were selected at which different combinations of the above objectives were completed. Methods are described in **Section 2.2.2** below.

## 2.2 Field Surveys

### 2.2.1 Scientific License

The field survey was undertaken in accordance with SKM's Scientific Purposes Permit number WISP10848512 issued by the Department of Environment and Heritage Protection (DEHP) under *S12(E) Nature Conservation (Administration) Regulation 2006*, valid from 1 March 2012 to 28 February 2017.

### 2.2.2 Methodology

Field methods are described briefly below.

#### Box-Gum Grassy Woodland Assessment

The listing advice for this community (TSSC, 2006) provides condition criteria to assess Box-Gum Grassy Woodland vegetation. A flowchart (DEH, 2006) based on these criteria was used to assess patches of remnant and regrowth vegetation in the field. The flowchart uses characteristics such as overstorey species, proportion of native understorey, patch size and evidence of recruitment to determine if the vegetation is the listed ecological community. **Figure 2-1** below shows the flowchart used in the field.

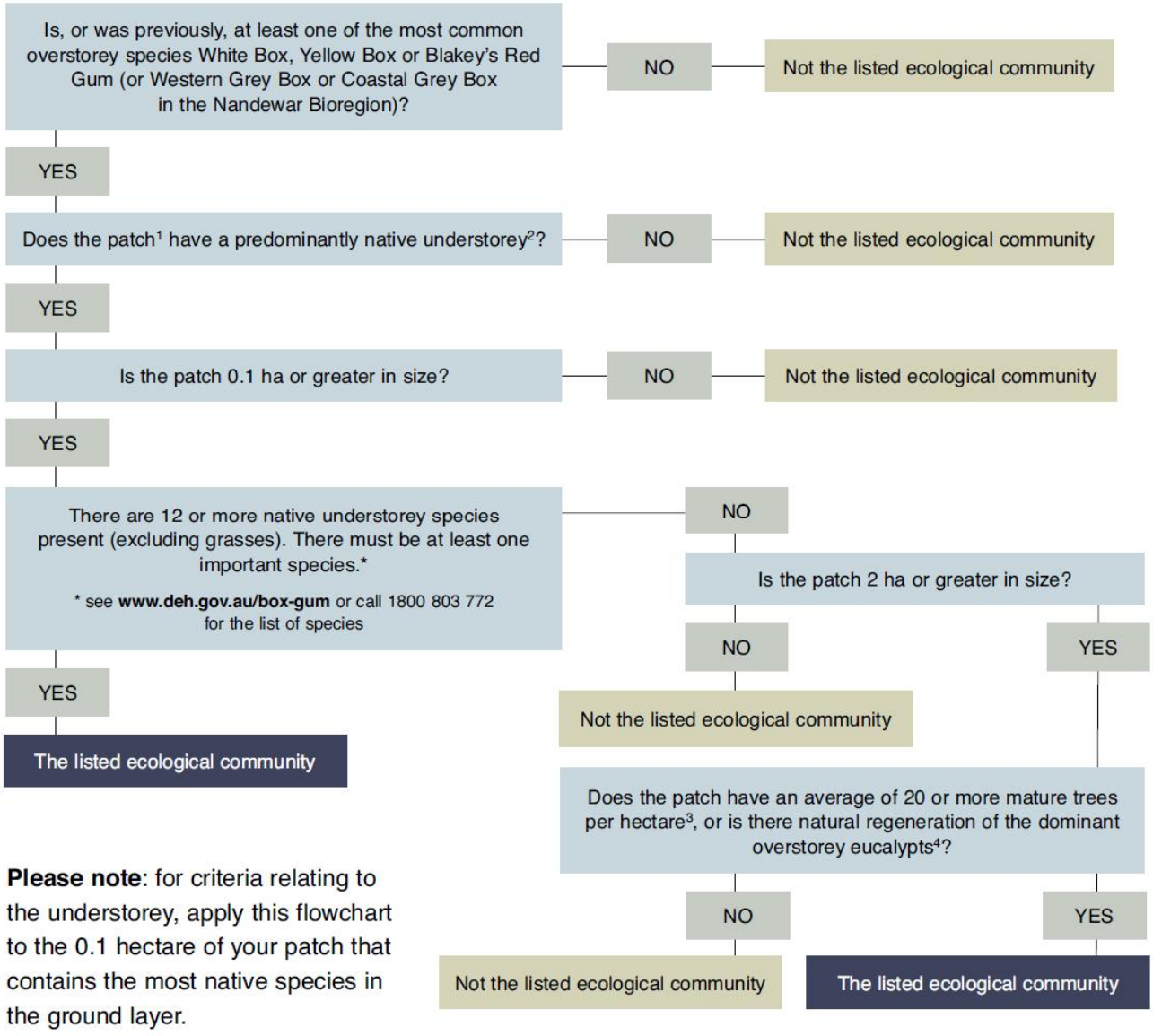



Figure 2-1 : Box-Gum Grassy Woodland and Derived Grassland flow chart (DEH, 2006)

### *Melaleuca williamsii*

Random meanders were undertaken at each survey site. This involved searching suitable habitat for a minimum of 30 minutes on foot by two ecologists.

### BioCondition

BioCondition sites were surveyed in accordance with the BioCondition assessment manual Version 2.1 (Eyre *et al*., 2011a).

Field surveys were undertaken during winter over a three week period from 1 to 19 July 2013.

### 2.2.3 Field survey 1 (July 2013)

Field surveys were undertaken during winter over a three week period from 1 to 19 July 2013. This survey was undertaken between 1-5, 8-12 and 15-19 July 2013.

Access to survey sites was not possible in some instances where land holders did not give permission to enter properties. Where land access was not provided effort was made to find alternative sites. A total of 81 Box-Gum Grassy Woodland sites, 25 *M. williamsii* random meanders and 26 BioCondition sites were completed.

### 2.2.4 Field survey 2 (November 2013)

An additional survey for *M. williamsii* was undertaken between 28-30 October 2013 during the flowering period to confirm the identification of *M. williamsii* at existing sites, and to identify additional sites that provide suitable habitat for *M. williamsii* as potential translocation sites. Random meander searches were undertaken at five survey sites, involving searching suitable habitat for a minimum of 30 minutes on foot by two ecologists. Flowering samples of *M. williamsii* from the survey sites were sent to the Queensland Herbarium to confirm identification. Two BioCondition sites were also completed.

### 2.2.5 Field Survey 3 (January 2014)

An additional survey for potential Box-Gum Grassy Woodland offset sites was undertaken from 29-31 January 2013. The purpose of this survey was to investigate additional sites that could be used as offsets for Box-Gum Woodlands disturbed by the Project. During field survey 3, 19 sites were visited (13 in the Stanthorpe Plateau sub-bioregion and six in the Nandewar Northern sub-bioregion) and surveyed against the Box-Gum Grassy Woodland condition criteria, as described in **Section 2.2.2**.

# 3. Desktop Results

## 3.1 Box-Gum Grassy Woodland

The terrestrial flora mapping prepared for the Project EIS (3D Environmental, 2007) shows 71.55 ha of Box-Gum Grassy Woodland would be directly inundated in the water storage area with an additional impact of 11.47 ha along the urban and irrigation pipelines and 0.74 ha along the Stalling Lane realignment.

Spatial analysis using DNRM remnant vegetation mapping indicated that there is 8,286 ha of vegetation in the Stanthorpe Plateau sub-bioregion that could potentially contain the Box-Gum Grassy Woodland community. This is the total area of mapped remnant vegetation containing:

- RE 13.3.1 - *Eucalyptus blakelyi* woodland on alluvial plains
- RE 13.3.4 - *Eucalyptus conica, E. microcarpa, E. melliodora* woodland on alluvial plains
- RE 13.11.8 - *Eucalyptus melliodora* and/or *Eucalyptus microcarpa/ E. moluccana* woodland on metamorphics
- RE 13.12.8 - *Eucalyptus melliodora* and/or *E. moluccana/ E. microcarpa* and/or *E. conica* woodland on igneous rocks
- RE 13.12.9 - *Eucalyptus blakelyi* and/or *E. caliginosa* woodland to open forest on igneous rocks

The same analysis was used to calculate that within 5 km of the FSL there are 1,853 ha of remnant vegetation that could potentially contain Box-Gum Grassy Woodland.

Downstream of the proposed dam to Accommodation Creek, the Department of Natural Resources and Mines (DNRM) RE mapping shows the Severn River is fringed by Endangered REs 13.3.1, 13.3.1x1, 13.12.8 and 13.12.9. Of these, REs 13.3.1, 13.12.8 and 13.12.9 may contain Box-Gum Grassy Woodland.

## 3.2 *Melaleuca williamsii*

The Emu Swamp EIS terrestrial flora surveys (3D Environmental, 2007) found seven *M. williamsii* in the FSL, four (4) in the Stalling Lane realignment, four (4) in the urban pipeline corridor and three (3) in the irrigation pipeline corridor. Other individuals were found outside the Project impact areas, including one next to Teale Road (10 km north of Stanthorpe), one (1) 80 m to the west off the New England Highway south of Booth Lane and two (2) approximately 100 m upstream of the FSL. Plants were found in remnant and non-remnant vegetation, including REs 13.3.1, 13.3.1x1, 13.12.8, 13.12.2 and 13.12.6.

Australia's Virtual Herbarium (AVH) lists 131 records for *M. williamsii* in the New England bioregion with a cluster of these records occurring in the Stanthorpe Plateau sub-bioregion. The AVH incorporates specimen records from Australia's major herbaria.

The REDD lists RE 13.3.1 as suitable habitat for *M. williamsii*. This RE is described as '*Eucalyptus blakelyi* grassy woodland or open-forest +/- *E. conica* +/- *E. bridgesiana* +/- *E. melliodora* on Cainozoic alluvial plains'.

The description of habitat of *M. williamsii* on specimens held by the Queensland Herbarium recorded the species growing in habitat characterised by rocky granite slabs and proximity to waterways. Soils included sandy and gravelly alluvium. Vegetation associated with *M. williamsii* was recorded as riparian woodlands and shrublands with *Leptospermum* and *Acacia* species.

Essential habitat factors for *M. williamsii* are described in the essential habitat database (DNRM, 2013) as:

- RE 12.12.14 or 13.3.1 (RE's are a mandatory essential habitat factor)
- Open forest of *Corymbia gummifera* and *Eucalyptus umbra*; riparian woodland/shrubland
- 300 to 800 m altitude
- Gravelly alluvium soils
- Rocky watercourse or river bank

# 4. Field Survey Results

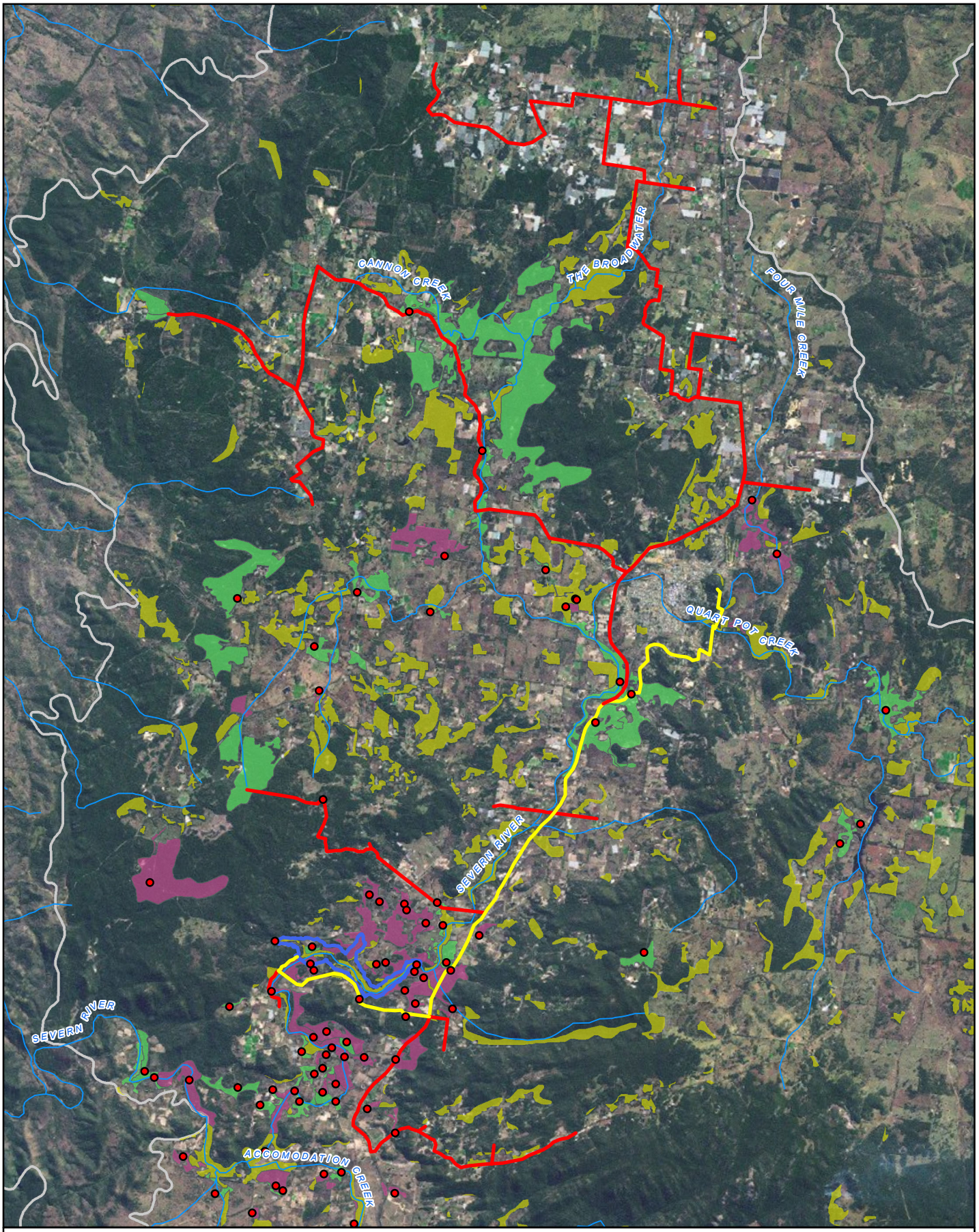
## 4.1 Box-Gum Grassy Woodland Critically Endangered Ecological Community

The Box-Gum Grassy Woodland community flow chart was used to identify if vegetation met the EPBC listing criteria at 100 individual sites (81 during field survey 1 and 19 during field survey 3) in the study area in both remnant and regrowth vegetation. Out of the 100 survey sites, 50 were found to contain vegetation that met the criteria for the EPBC listed community. **Appendix A** shows the results for each of the survey points. Much of the vegetation along the Severn River between the FSL and Accommodation Creek was found to contain the Box-Gum Grassy Woodland community. Some patches of vegetation were excluded from the community due to weed dominance in the ground cover, or due to absence of characteristic canopy species. Dominant canopy species in these instances included Rough Barked Apple (*Angophora floribunda*) and/or Apple Box (*E. bridgesiana*).

Patches identified as containing vegetation that fit the EPBC criteria are shown on **Figure 4-1**. The total area of vegetation ground-truthed was 5,100 ha. Approximately 2,225 ha of this vegetation contained the listed Box-Gum Grassy Woodland (44% of the vegetation surveyed). The area of ground-truthed vegetation occurs in both the Stanthorpe Plateau sub-bioregion (1,611 ha) and the Nandewar Northern Complex sub-bioregion (614 ha). Area calculations were based on the assumption that where field survey results indicated the listed community was present, the entire patch in which the survey point was located met the criteria. In instances where the field survey indicated different results in the same patch, the patch was split at an equal distance between the survey points. 3D Environmental vegetation mapping (3D Environmental, 2007) was used as a base map for areas within the FSL and pipelines. RE and HVR (DNRM, 2011) mapping were used as a base map for the areas outside the FSL and pipelines (**Figure 4-1**).

An additional 5,073 ha of remnant vegetation that could potentially contain the EPBC listed community within the Stanthorpe Plateau sub-bioregion is shown on **Figure 4-1**. This is remnant vegetation containing REs 13.3.1, 13.11.8, 13.12.8 and 13.12.9 that was not able to be ground truthed due to time constraints. Less than half (44%) of the vegetation surveyed contained the listed community. Conservatively assuming 40% of the potential Box-gum Grassy Woodland (2,672 ha) meets the EPBC criteria there is a further 2,029 ha of this community. It is estimated that approximately 3,640 ha of Box-gum Grassy Woodland is present [1,611 ha (confirmed) + 2,029 ha (potential)] in the in the Stanthorpe Plateau sub-bioregion.

**Plate 4-1** shows vegetation identified during field surveys as containing the Box-Gum Grassy Woodland.




**LEGEND**

- Box-gum Grassy Woodland survey sites
- Watercourse
- Urban Pipeline
- Irrigation Pipeline
- Stanthorpe Plateau Sub-bioregion
- Full Supply Level (738m AHD)

**Box-gum Grassy Woodlands**

- EPBC community confirmed
- EPBC community not present
- EPBC community presence not confirmed

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Projection: GDA94 MGA56

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**Figure 4-1**

**Box-gum Grassy Woodland Survey Results**

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Plate 4-1 : Box-Gum Grassy Woodland, dominated by Blakely's Red Gum (meets EPBC criteria)

## 4.2 Targeted *Melaleuca williamsii* surveys

Targeted searches for *M. williamsii* were undertaken along waterways and a collection of samples made within each patch of *M. williamsii*.

*Melaleuca williamsii* was identified in the field by SKM ecologists and samples taken in accordance with SKM's Scientific Purposes Permit. Plant samples collected in July were sent to a senior botanist in NSW (Tony Rodd) who identified the species as *M. williamsii* subsp*. fletcheri.* Flowering samples collected in October 2013 were sent to the Queensland Herbarium who also identified the species as *M. williamsii* subsp*. fletcheri*. The coordinates of *M. williamsii* records from these surveys are listed in **Appendix B**. A flowering specimen of *M. williamsii* found outside the Project impact area is shown in **Plate 4-2**.

SKM field survey 1 located a total of 287 *M. williamsii*, with multiple plants at each of the locations shown on **Figure 4-2**. 38 plants were recorded in the FSL, and 249 plants were found outside Project impact areas.

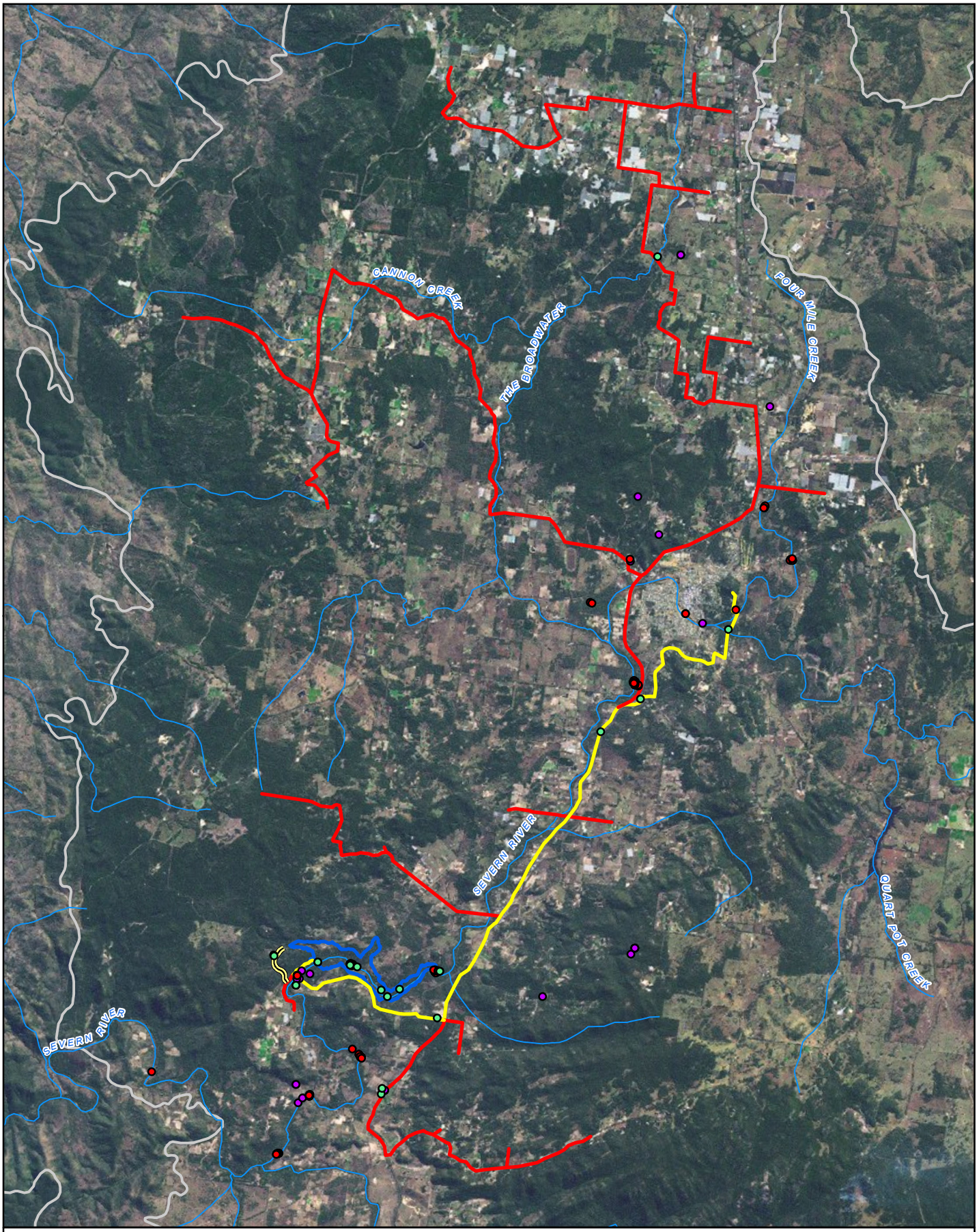
SKM field survey 2 recorded an additional 110 plants outside the Project impact areas. Five new locations were identified. Additional *M. williamsii* locations are shown on **Figure 4-2**.

Based on SKM and 3D Environmental survey data, a total of 56 *M. williamsii* are known to be located within Project impact areas (**Table 4-1**).

Table 4-1 *Melaleuca williamsii* locations

| **Location** | **Source** | **Number of *M. williamsii* plants** |
|---|---|---|
| FSL | SKM | 38 |
| FSL | 3D Environmental | 7 |
| Stalling Lane | 3D Environmental | 4 |
| Urban pipeline | 3D Environmental | 4 |
| Irrigation pipeline | 3D Environmental | 3 |
| **Total** | | **56** |

*Melaleuca williamsii* was consistently found in association with granite slabs and boulders near water in REs 13.3.1, 13.3.1x1 and occasionally in RE 13.12.6.

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**LEGEND**

- *Melaleuca williamsii* (SKM)
- *Melaleuca williamsii* (3D Environmental)
- *Melaleuca williamsii* (database) (Atlas of Living Australia 2014)
- Watercourse
- Urban Pipeline
- Irrigation Pipeline
- Stalling Lane Access
- Stanthorpe Plateau Sub-Bioregion
- Full Supply Level (738m AHD)

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**Figure 4-2**

***Melaleuca williamsii* Database Records and Field Survey Results**

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Scale - 1:150,000

Projection: GDA94 MGA56

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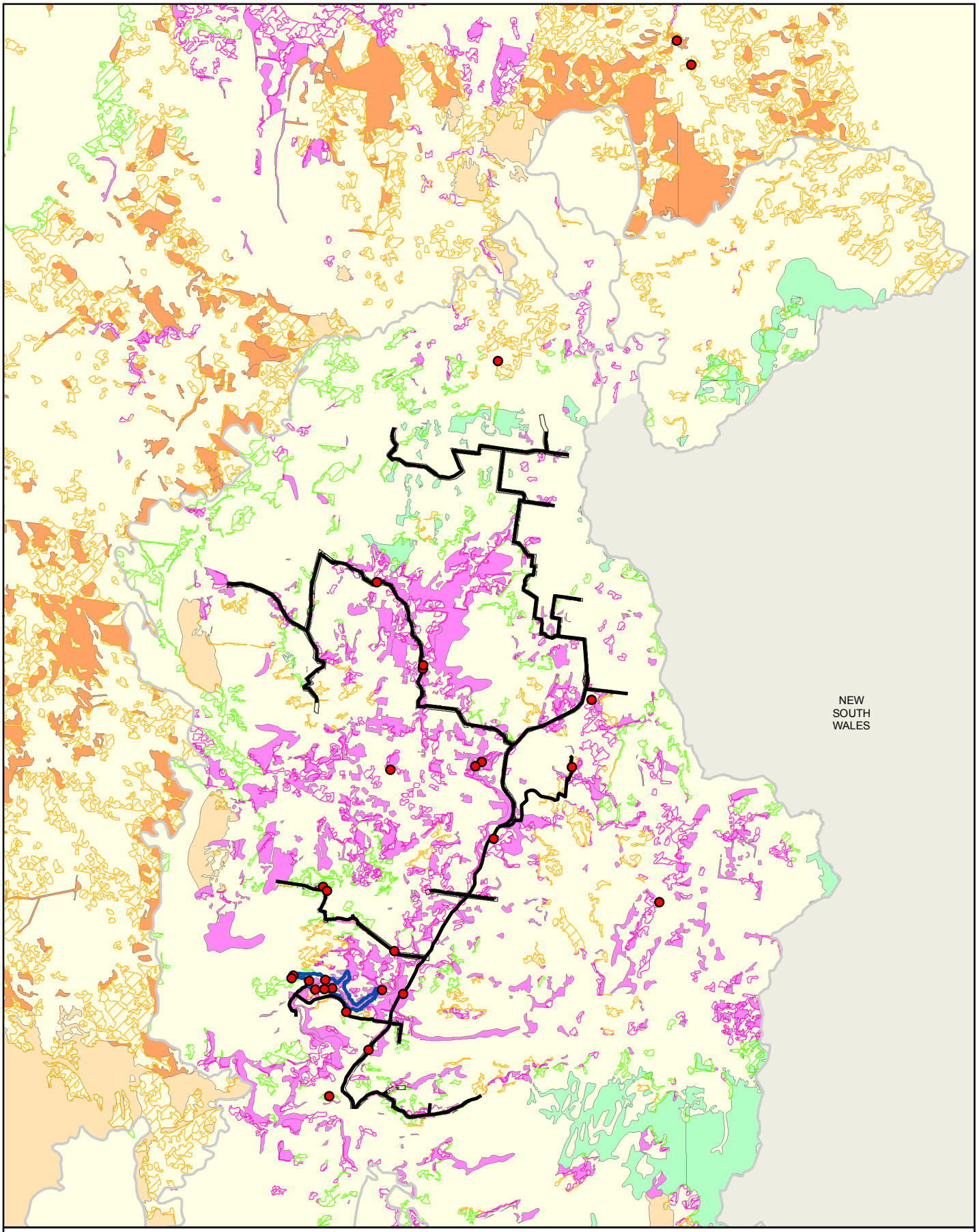
Plate 4-2 *Melaleuca williamsii* at Severn River off New England Highway, south of Stanthorpe

## 4.3 BioCondition survey

BioCondition surveys were undertaken at 28 sites, collecting condition data from the following impacted REs: 13.3.1, 13.11.8, 13.12.2, 13.12.5, 13.12.6, 13.12.8, and 13.12.9. **Figure 4-3** shows BioCondition survey locations. Site based BioCondition scores are summarised in **Appendix C**.




**LEGEND**

- BioCondition Sites
- Proposed Pipeline Routes
- Stanthorpe Plateau sub-bioregion
- Full Supply Level (738m AHD)

**High Value Regrowth mapping (DNRM)**

- Containing Endangered regional ecosystems
- Containing Of Concern regional ecosystems
- Containing Least Concern regional ecosystems

**Regional Ecosystem mapping (DNRM)**

- Endangered REs (dominant)
- Endangered REs (sub-dominant)
- Of Concern REs (dominant)
- Of Concern REs (sub-dominant)
- Least Concern REs
- Non-remnant

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## Figure 4-3

## BioCondition Survey Sites

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## 4.4 Weeds

Several invasive weeds species were recorded through the study area. The most extensive and widespread of these was African Lovegrass (*Eragrostis curvula*). The density of this species meant that several areas of vegetation that were predicted to contain Box-Gum Grassy Woodland community did not meet the listing criteria due to dominance of this weed in the ground cover.

Whisky Grass (*Andropogon virginicus*) was also extensive along roadsides and disturbed areas, although this species was less prolific in wooded areas.

Honeysuckle (*Lonicera japonica*) was observed along most waterways in varying density. This species occurred within the same habitat as *M. williamsii*.

# 5. Discussion

## 5.1 Box-Gum Grassy Woodland

Ground truthing of the Box-Gum Grassy Woodland community in the study area was completed over a period of three weeks of surveys in July 2013, three days in October 2013 and three days in January 2014.

Just under half (44%) of the vegetation that was surveyed contained the listed community. Conservatively, if it is assumed that 40% of the non-ground truthed vegetation in the study area (mapped as potentially containing the listed community) also supports vegetation that meets the EPBC criteria, then this means there is potentially 3,640 ha in the study area. Current estimates indicate that a total of 405,000 ha of the ecological community in various conditions remain (Australian Government, 2007). As such, the extent of the community within the Stanthorpe Plateau sub-bioregion represents less than 1% of the total remaining extent of Box-Gum Grassy Woodland and the impacted area of 83.76 ha is approximately 2.3% of the community within the sub-bioregion.

The stretch of the Severn River from the FSL downstream to Accommodation Creek runs through vegetation that was identified by the desktop mapping review as containing REs that form part of the Box-Gum Grassy Woodland community. Field surveys confirmed that approximately 6.6 km of the Severn River runs through the listed community.

Field observations indicated that much of the native vegetation in the study area had been impacted by fires and as a result was dominated in areas by shrubby regenerating *Callitris* and *Leptospermum* species. Vegetation communities with a continuous shrub layer of more than 30% cover are excluded from the listed ecological community, as they are considered to be shrubby woodland and do not constitute Box-Gum Grassy Woodland (DEH 2006).

## *5.2 Melaleuca williamsii*

Targeted searches for *M. williamsii* were undertaken within a sample of the potential habitat identified by desktop assessment of mapping and previous records. Based on field results, approximately 10% of the known occurrences of *M. williamsii* in the region are located within the proposed dam FSL.

Where this species occurs along the pipelines or Stalling Lane access, direct impacts to individual plants may be avoided by altering the alignment of the construction corridor.

## 5.3 BioCondition survey

BioCondition data was collected for all REs occurring within the FSL and pipeline corridors. These scores have been used to establish condition values for the EPBC offsets calculator.

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# Appendix A. Box-Gum Woodland survey results

# Emu Swamp Dam Box - Gum Grassy Woodlands and Derived Grasslands checklists

| Site | Field ID | Project Location | Veg. | RE | Zone | Lat. | Long. | Overstorey species | Native ground layer | Understorey species | Patch > 2 ha | Density / regeneration | Community | Dominant canopy species |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 010713 - 1 | 30 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.763 | 151.857 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 010713 - 2 | 1 | Pipeline | Rem. | 13.12.9 | 56 | -28.757 | 151.960 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* |
| 020713-2 | 90 | FSL | HVR | 13.3.1 | 56 | -28.747 | 151.815 | NO | | | | | | |
| 020713-3 | 55 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.753 | 151.845 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 020713-4 | 31 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.753 | 151.848 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* and *Eucalyptus melliodora* |
| 020713-5 | 43 | Non-impact | Rem. | 13.3.1 | 56 | -28.773 | 151.836 | NO | | | | | | *Eucalyptus bridgesiana* |
| 020713-6 | 24 | Non-impact | Rem. | 13.3.1 | 56 | -28.777 | 151.836 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 020713-7 | 25 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.777 | 151.841 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 020713-8 | 32 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.791 | 151.842 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 030713-1 | 3 | Non-impact | HVR | 11.3.1 | 56 | -28.784 | 151.833 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* and *Eucalyptus melliodora* |
| 030713-3 | 6 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.786 | 151.829 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* and *Eucalyptus melliodora* |
| 030713-4 | 10 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.786 | 151.814 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 030713-14 | 14 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.790 | 151.810 | NO | | | | | | *Callitris* sp. |
| 030713-5 | 13 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.785 | 151.804 | NO | | | | | | *Angophora floribunda* , *Callitris* sp. and *Eucalyptus* sp. (stringybark) |
| 030713-6 | 9 | Non-impact | Rem. | 13.3.1 | 56 | -28.783 | 151.789 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 030713-7 | 40 | Non-impact | HVR | 13.3.1/13.3.4 | 56 | -28.803 | 151.787 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 030713-8 | 65 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.818 | 151.808 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 030713-9 | 15 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.811 | 151.815 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 030713-10 | 17 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.812 | 151.817 | NO | | | | | | *Callitris* sp. and *Eucalyptus bridgesiana* |
| 030713-11 | 35 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.808 | 151.829 | YES | YES | N/A | YES | YES | YES | *Eucalyptus albens* and *Eucalyptus blakelyi* |
| 030713-12a | 36 | Non-impact | HVR | 13.3.4/13.3.1 | 56 | -28.807 | 151.834 | NO | | | | | | *Eucalyptus conica* |
| 030713-12 | 19 | Non-impact | HVR | 13.3.1 | 56 | -28.777 | 151.830 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 030713-13 | 21 | Non-impact | Rem. | 13.3.1 | 56 | -28.775 | 151.832 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 040713-3 | 89 | FSL | HVR | 13.12.8/13.12.9 | 56 | -28.762 | 151.840 | NO | | | | | | *Angophora floribunda* |
| 040713-4 | 46 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.770 | 151.830 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 040713-5 | 23 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.772 | 151.826 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 040713-6 | 29 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.760 | 151.854 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* and *Eucalyptus melliodora* |
| 040713-7 | 34 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.757 | 151.859 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 040713-8 | 33 | Non-impact | 3D | 13.3.1 | 56 | -28.760 | 151.814 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 040713-8a | 22 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.776 | 151.823 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 040713-9 | 7 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.782 | 151.827 | NO | | | | | | *Callitris* sp. |
| 040713-10 | 4 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.780 | 151.829 | NO | | | | | | *Angophora floribunda* |

# Emu Swamp Dam Box - Gum Grassy Woodlands and Derived Grasslands checklists

| Site | Field ID | Project Location | Veg. | RE | Zone | Lat. | Long. | Overstorey species | Native ground layer | Understorey species | Patch > 2 ha | Density / regeneration | Community | Dominant canopy species |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 050713-1 | 2 | Non-impact | HVR | 13.3.1 | 56 | -28.789 | 151.833 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 050713-2 | 45 | Pipeline | 3D | 13.12.8 | 56 | -28.778 | 151.851 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 050713-3 | 50 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.826 | 151.841 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 050713-4 | 51 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.821 | 151.838 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 080713-1 | 8 | Non-impact | Rem. | 13.3.1 | 56 | -28.786 | 151.821 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 080713-2 | 49 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.813 | 151.797 | NO | | | | | | *Eucalyptus conica* |
| 080713-3 | 81 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.754 | 151.827 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 080713-5 | 91 | FSL | 3D | 13.12.9 | 56 | -28.753 | 151.826 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* |
| 090713-1 | 52 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.765 | 151.868 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* |
| 090713-2 | 39 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.746 | 151.876 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 090713-3 | 41 | Pipeline | 3D | 13.12.9 | 56 | -28.737 | 151.864 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 090713-4 | 27 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.735 | 151.843 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 090713-5 | 54 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.737 | 151.846 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* |
| 090713-6 | 26 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.737 | 151.854 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* |
| 090713-7 | 20 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.739 | 151.855 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 090713-8 | 38 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.742 | 151.860 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 090713-9 | 53 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.743 | 151.865 | NO | | | | | | *Angophora floribunda* |
| 090713-11 | 80 | FSL | 3D | 13.12.9 | 56 | -28.748 | 151.826 | NO | | | | | | *Angophora floribunda* and *Eucalyptus* sp. (stringybark) |
| 090713-12 | 28 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.753 | 151.866 | NO | | | | | | *Angophora floribunda* and *Eucalyptus* sp. (stringybark) |
| 107013-1 | 84 | Pipeline | 3D | 13.12.8 | 56 | -28.767 | 151.854 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 100713-2 | 37 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.764 | 151.802 | NO | | | | | | *Angophora floribunda* |
| 100713-3 | 18 | Non-impact | HVR | 13.3.4/13.3.1 | 56 | -28.802 | 151.812 | NO | | | | | | *Angophora floribunda* and *Eucalyptus* sp. (stringybark) |
| 100713-4 | 48 | Non-impact | HVR | 13.3.1 | 56 | -28.782 | 151.779 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 100713-5 | 47 | Non-impact | Rem. | 13.3.1 | 56 | -28.780 | 151.776 | NO | | | | | | *Angophora floribunda* and *Eucalyptus bridgesiana* |
| 100713-6a | 11 | Non-impact | HVR | 13.3.1 | 56 | -28.789 | 151.822 | NO | | | | | | *Angophora floribunda* and *Eucalyptus* sp. (stringybark) |
| 100713-6 | 60 | Pipeline | 3D | 13.12.9 | 56 | -28.683 | 151.922 | NO | | | | | | *Angophora floribunda* , *Eucalyptus bridgesiana* and *Eucalyptus* sp. (stringybark) |
| 100713-7 | 74 | Non-impact | Rem. | 13.3.1 | 56 | -28.655 | 151.841 | NO | | | | | | *Angophora floribunda* , *Eucalyptus bridgesiana* and *Eucalyptus* sp. (stringybark) |
| 100713-9 | 72 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.646 | 151.867 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 100713-8 | 58 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.657 | 151.805 | NO | | | | | | *Angophora floribunda* , *Callitris* sp. and *Eucalyptus* sp. (stringybark) |

# Emu Swamp Dam Box - Gum Grassy Woodlands and Derived Grasslands checklists

| Site | Field ID | Project Location | Veg. | RE | Zone | Lat. | Long. | Overstorey species | Native ground layer | Understorey species | Patch > 2 ha | Density / regeneration | Community | Dominant canopy species |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 110713-1 | 44 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.813 | 151.850 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 110713-4 | 79 | Non-impact | Rem. | 13.3.1 | 56 | -28.680 | 151.919 | NO | | | | | | *Angophora floribunda* , *Callitris* sp. and *Eucalyptus* sp. (stringybark) |
| 110713-6 | 107 | Council Land | HVR | 13.12.9/13.12.8 | 56 | -28.717 | 151.990 | NO | | | | | | *Eucalyptus* sp. (stringybark) |
| 110713-7 | 64 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.723 | 151.984 | NO | | | | | | *Eucalyptus bridgesiana* and *Eucalyptus* sp. (stringybark) |
| 110713-8 | 5 | Pipeline | 3D | 13.12.8 | 56 | -28.797 | 151.850 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 110713-9 | 70 | Non-impact | Rem. | 13.12.8/13.12.9 | 56 | -28.751 | 151.925 | NO | | | | | | *Angophora floribunda* and *Eucalyptus* sp. (stringybark) |
| 150713-3 | 99 | Council Land | HVR | 13.12.9 | 56 | -28.660 | 151.903 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 150713-1 | 75 | Council Land | HVR | 13.3.1 | 56 | -28.646 | 151.966 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* and *Eucalyptus blakelyi* |
| 150713-2 | 97 | Council Land | HVR | 13.3.1 | 56 | -28.632 | 151.958 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 150713-4 | 73 | Non-impact | HVR | 13.12.9/13.12.8 | 56 | -28.650 | 151.897 | NO | | | | | | *Eucalyptus bridgesiana* |
| 160713-1 | 100 | Council Land | HVR | 13.3.1 | 56 | -28.661 | 151.862 | NO | | | | | | *Eucalyptus bridgesiana* |
| 160713-2 | 68 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.681 | 151.829 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 160713-3 | 56 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.731 | 151.778 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |
| 160713-4 | 63 | Non-impact | HVR | 13.3.1 | 56 | -28.669 | 151.828 | NO | | | | | | *Eucalyptus microcarpa* |
| 160713-5 | 71 | Pipeline | HVR | 13.3.1 | 56 | -28.619 | 151.878 | NO | | | | | | *Pinus radiata* |
| 160713-6 | 66 | Non-impact | HVR | 13.3.1/13.3.4 | 56 | -28.688 | 151.998 | NO | | | | | | *Eucalyptus bridgesiana* and *Eucalyptus* sp. (stringybark) |
| 160713-7 | 67 | Non-impact | HVR | 13.12.8/13.12.9 | 56 | -28.697 | 152.044 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 170713-1 | 78 | Pipeline | 3D | 13.12.9 | 56 | -28.690 | 151.911 | NO | | | | | | *Angophora floribunda* , *Eucalyptus conica* and *Eucalyptus* sp. (stringybark) |
| 180713-3 | FID I | Pipeline | HVR | 13.12.8 | 56 | -28.582 | 151.857 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 180713-4 | 12 | FSL | 3D | 13.3.1 | 56 | -28.753 | 151.857 | YES | NO | | | | | *Eucalyptus blakelyi* |
| 190713-1 | 85 | Pipeline | 3D | 13.12.9 | 56 | -28.710 | 151.830 | YES | YES | N/A | YES | YES | YES | *Eucalyptus albens* and *Eucalyptus blakelyi* |
| 310114-2 | A-0 | Non-impact | Rem. | 13.11.8/13.11.3 | 56 | -28.644 | 151.617 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* and *E. moluccana* (Nandewar BioRegion). NOTE: unsure of native understorey, also grazed. |
| 310114-3 | A-4 | Non-impact | Rem. | 13.11.8/13.11.3 | 56 | -28.671 | 151.594 | YES | YES | N/A | YES | YES | YES | *Eucalyptus melliodora* , *E. blakelyi* and *E. microcarpa* (Nandewar BioRegion). NOTE: unsure of native understorey - probably some Whiskey Grass also grazed. |
| 310114-4 | A-5 | Non-impact | HVR | | 56 | -28.675 | 151.581 | YES | YES | n/a | YES | YES | YES | *Eucalyptus blakelyi* |
| 290114-3 | B-Extra | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.686 | 151.806 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* |

# Emu Swamp Dam Box - Gum Grassy Woodlands and Derived Grasslands checklists

| Site | Field ID | Project Location | Veg. | RE | Zone | Lat. | Long. | Overstorey species | Native ground layer | Understorey species | Patch > 2 ha | Density / regeneration | Community | Dominant canopy species |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 290114-4 | B-8 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.691 | 151.804 | NO | | | | | NO | *Eucalyptus caliginosa* |
| 290114-5 | Extra | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.674 | 151.841 | NO | | | | | NO | *Eucalyptus caliginosa* and *E. bridgesiana* |
| 310114-1 | B-7 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.673 | 151.800 | NO | | | | | NO | Stringybark and *Callitris* sp. |
| 300114-4 | C-Extra | Non-impact | | | 56 | -28.631 | 151.877 | NO | | | | | NO | *Eucalyptus bridgesiana* |
| 300114-5 | C-Extra | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.583 | 151.866 | NO | | | | | NO | *Eucalyptus bridgesiana* |
| 300114-6 | C-12 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.620 | 151.887 | NO | | | | | NO | Stringybark |
| 310114-5 | C-13 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.572 | 151.893 | NO | | | | | NO | *Callitris* sp. |
| 310114-6 | C-11 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.587 | 151.886 | NO | | | | | NO | Stringybark |
| 300114-1 | D-Extra | Non-impact | N/Rem. | | 56 | -28.475 | 151.846 | YES | YES | N/A | YES | YES | YES | *Eucalyptus blakelyi* and *E. moluccana* (Nandewar BioRegion). NOTE: unsure of native understorey - lots of African Lovegrass by the road, also grazed. |
| 300114-2 | D-15 | Non-impact | Rem. | 13.11.8/13.11.3 | 56 | -28.491 | 151.798 | NO | | | | | NO | *Eucalyptus crebra* |
| 300114-3 | D-Extra | Non-impact | N/Rem. | | 56 | -28.494 | 151.798 | YES | YES | N/A | YES | YES | YES | *Eucalyptus moluccana* and *E. blakelyi* (Nandewar BioRegion) |
| 290114-1 | G-3 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.693 | 151.920 | NO | | | | | NO | *Eucalyptus bridgesiana* |
| 290114-2 | G-Extra | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.682 | 151.925 | NO | | | | | NO | *Eucalyptus caliginosa* |
| 310114-9 | H-20 | Non-impact | HVR | | 56 | -28.583 | 151.781 | NO | | | | | NO | *Callitris* sp. |
| 310114-10 | H-21/22 | Non-impact | Rem. | 13.12.9/13.12.8 | 56 | -28.575 | 151.778 | NO | | | | | NO | *Callitris* sp. and *Pinus* sp. |
| 310114-7 | G. Dam | Non-impact | | | 56 | -28.971 | 151.464 | NO | | | | | NO | Ironbark |
| 310114-8 | G. Dam | Non-impact | | | 56 | -28.977 | 151.468 | NO | | | | | NO | Ironbark and *Callitris* sp. |

# Appendix B. Confirmed *Melaleuca williamsii* location data

| *M. williamsii* outside FSL (SKM, July 2013) | | |
|---|---|---|
| Longitude | Latitude | Number of plants |
| 151.8106 | -28.8016 | 1 |
| 151.8107 | -28.8014 | 1 |
| 151.8108 | -28.8015 | 1 |
| 151.8108 | -28.8015 | 1 |
| 151.8108 | -28.8014 | 3 |
| 151.8109 | -28.8015 | 2 |
| 151.8109 | -28.8015 | 1 |
| 151.8110 | -28.8014 | 3 |
| 151.8111 | -28.8014 | 1 |
| 151.8111 | -28.8014 | 1 |
| 151.8113 | -28.8013 | 1 |
| 151.8114 | -28.8013 | 1 |
| 151.8205 | -28.7865 | 27 |
| 151.8205 | -28.7862 | 3 |
| 151.8206 | -28.7864 | 1 |
| 151.8206 | -28.7864 | 1 |
| 151.8207 | -28.7860 | 1 |
| 151.8207 | -28.7861 | 1 |
| 151.8359 | -28.7762 | 1 |
| 151.8359 | -28.7762 | 1 |
| 151.8360 | -28.7763 | 1 |
| 151.8360 | -28.7763 | 1 |
| 151.8360 | -28.7763 | 1 |
| 151.8360 | -28.7763 | 1 |
| 151.8361 | -28.7764 | 1 |
| 151.8361 | -28.7763 | 1 |
| 151.8361 | -28.7763 | 1 |
| 151.8362 | -28.7764 | 1 |
| 151.8363 | -28.7767 | 1 |
| 151.8580 | -28.7537 | 3 |
| 151.8581 | -28.7539 | 1 |
| 151.8581 | -28.7538 | 2 |
| 151.8582 | -28.7539 | 2 |
| 151.8582 | -28.7539 | 2 |
| 151.8582 | -28.7539 | 3 |
| 151.8583 | -28.7537 | 1 |
| 151.8583 | -28.7540 | 3 |
| 151.8583 | -28.7540 | 2 |
| 151.8583 | -28.7536 | 1 |
| 151.8583 | -28.7540 | 2 |
| 151.8583 | -28.7539 | 2 |
| 151.8583 | -28.7541 | 3 |
| 151.8583 | -28.7537 | 1 |
| 151.8583 | -28.7539 | 1 |
| 151.8583 | -28.7541 | 2 |
| 151.8583 | -28.7537 | 1 |
| 151.8583 | -28.7541 | 2 |
| 151.8583 | -28.7540 | 2 |
| 151.8584 | -28.7542 | 2 |
| 151.8584 | -28.7541 | 1 |
| 151.8584 | -28.7541 | 1 |
| 151.8584 | -28.7542 | 1 |
| 151.8584 | -28.7542 | 1 |
| 151.8584 | -28.7542 | 3 |
| 151.8584 | -28.7543 | 1 |
| 151.8584 | -28.7543 | 1 |
| 151.8585 | -28.7543 | 5 |
| 151.8585 | -28.7542 | 4 |
| 151.8585 | -28.7543 | 2 |
| 151.8585 | -28.7542 | 3 |
| 151.8585 | -28.7543 | 1 |
| 151.8585 | -28.7542 | 2 |
| 151.8585 | -28.7544 | 3 |
| 151.8586 | -28.7544 | 1 |

| *M. williamsii* outside FSL (SKM, Oct 2013) | | |
|---|---|---|
| Longitude | Latitude | Number of plants |
| 151.918561 | -28.679394 | 25 |
| 151.91749 | -28.64643 | 50 |
| 151.919533 | -28.679702 | 20 |
| 151.919538 | -28.679378 | 3 |
| 151.933867 | -28.660842 | 7 |
| 151.835405 | -28.775587 | 4 |
| 151.83578 | -28.776292 | 1 |
| TOTAL | | 110 |

| *M. williamsii* inside FSL (SKM, July 2013) | | |
|---|---|---|
| Longitude | Latitude | Number of plants |
| 151.8331 | -28.7519 | 1 |
| 151.8331 | -28.7520 | 1 |
| 151.8331 | -28.7520 | 1 |
| 151.8331 | -28.7520 | 1 |
| 151.8332 | -28.7518 | 1 |
| 151.8332 | -28.7520 | 1 |
| 151.8332 | -28.7519 | 1 |
| 151.8332 | -28.7520 | 1 |
| 151.8332 | -28.7517 | 1 |
| 151.8333 | -28.7519 | 1 |
| 151.8334 | -28.7521 | 1 |
| 151.8335 | -28.7521 | 1 |
| 151.8335 | -28.7521 | 1 |
| 151.8335 | -28.7521 | 1 |
| 151.8335 | -28.7521 | 1 |
| 151.8335 | -28.7521 | 1 |
| 151.8335 | -28.7520 | 1 |
| 151.8335 | -28.7521 | 1 |
| 151.8335 | -28.7521 | 1 |
| 151.8336 | -28.7522 | 1 |
| 151.8336 | -28.7522 | 1 |
| 151.8336 | -28.7519 | 1 |
| 151.8336 | -28.7523 | 1 |
| 151.8336 | -28.7522 | 1 |
| 151.8336 | -28.7523 | 1 |
| 151.8336 | -28.7520 | 1 |
| 151.8336 | -28.7522 | 1 |
| 151.8336 | -28.7522 | 1 |
| 151.8337 | -28.7522 | 1 |
| 151.8338 | -28.7522 | 1 |
| 151.8338 | -28.7522 | 1 |
| 151.8338 | -28.7521 | 1 |
| 151.8338 | -28.7521 | 1 |
| 151.8338 | -28.7523 | 1 |
| 151.8338 | -28.7521 | 1 |
| 151.8338 | -28.7519 | 1 |
| 151.8339 | -28.7521 | 1 |
| 151.8339 | -28.7521 | 1 |
| | | 38 |

| | | |
|---|---|---|
| 151.8586 | -28.7541 | 2 |
| 151.8586 | -28.7542 | 5 |
| 151.8587 | -28.7541 | 2 |
| 151.8588 | -28.7542 | 2 |
| 151.8588 | -28.7543 | 2 |
| 151.8588 | -28.7542 | 1 |
| 151.8588 | -28.7543 | 4 |
| 151.9181 | -28.6787 | 1 |
| 151.9181 | -28.6787 | 6 |
| 151.9181 | -28.6788 | 3 |
| 151.9183 | -28.6783 | 2 |
| 151.9183 | -28.6789 | 1 |
| 151.9184 | -28.6788 | 2 |
| 151.9185 | -28.6790 | 1 |
| 151.9185 | -28.6788 | 1 |
| 151.9185 | -28.6793 | 1 |
| 151.9185 | -28.6788 | 2 |
| 151.9185 | -28.6791 | 1 |
| 151.9185 | -28.6788 | 2 |
| 151.9185 | -28.6791 | 1 |
| 151.9185 | -28.6794 | 2 |
| 151.9185 | -28.6788 | 1 |
| 151.9186 | -28.6789 | 1 |
| 151.9186 | -28.6787 | 4 |
| 151.9487 | -28.6600 | 1 |
| 151.9574 | -28.6333 | 4 |
| 151.9574 | -28.6332 | 7 |
| 151.9576 | -28.6329 | 1 |
| 151.9577 | -28.6328 | 1 |
| 151.9577 | -28.6328 | 1 |
| 151.9577 | -28.6328 | 2 |
| 151.9650 | -28.6471 | 3 |
| 151.9652 | -28.6469 | 1 |
| 151.9652 | -28.6469 | 1 |
| 151.9652 | -28.6469 | 15 |
| 151.9653 | -28.6469 | 3 |
| 151.9653 | -28.6469 | 10 |
| 151.9653 | -28.6469 | 4 |
| 151.9653 | -28.6469 | 1 |
| 151.9653 | -28.6470 | 6 |
| 151.9653 | -28.6469 | 3 |
| 151.9654 | -28.6469 | 4 |
| 151.9656 | -28.6467 | 1 |
| 151.9657 | -28.6472 | 1 |
| 151.9658 | -28.6471 | 1 |
| TOTAL | | 251 |

# Appendix C. Site based BioCondition data scores

| Site number: 010713 - 2 (FID 1) | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.755 | Long. 151.867 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 6 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *26.7* | 5 | **5** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 17.5 | | |
| | | | % of benchmark | *79.5* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 60.5 | | |
| | | | % of benchmark | *100.8* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 5 | | |
| | | | % of benchmark | *14.7* | 3 | **3** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 625 | | |
| | | | % of benchmark | *127.3* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 7 | | |
| | | | % of benchmark | *175.0* | 5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 7 | | |
| | | | % of benchmark | *87.5* | 2.5 | |
| **Grass** | 9 spp. | | no. grass spp. | 12 | | |
| | | | % of benchmark | *133.3* | 5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 16 | | |
| | | | % of benchmark | *76.2* | 2.5 | **15** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 30 | | |
| | | | % of benchmark | *200.0* | 5 | **5** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 33 | | |
| | | | % of benchmark | *41.8* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **61** |
| **BioCondition Class** | | | | | | |

| Site number: 020713 - 2 (FID 90) | No benchmark 13.3.1 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.747 | Long. 151.815 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 22 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 4 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 22 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 3 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 59 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 5.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 25 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 505 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 6 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 13 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 10 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 19 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 2.5 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 43 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 30 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 040713 - 3 (FID 89) | Benchmark (13.12.8) | | BioCondition Plot | | Lat. -28.762 | Long. 151.840 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 1 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 43 /hectare | | | | | |
| **Non-eucalypts** | 53 cm (DBH) | | % of benchmark | *4.7* | 5 | **5** |
| | 2 /hectare | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 19 m (canopy) | | canopy (m) | 14 | | |
| | | | % of benchmark | *73.7* | 3 | **3** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 50 % | *5* | % canopy cover | 9.5 | | |
| | | | % of benchmark | *19.0* | 2 | **2** |
| **Sub-canopy** | n/a | | % subcanopy cover | 14.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 18 % | *5* | % shrub cover | 6 | | |
| | | | % of benchmark | *33.3* | 3 | **3** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 470 | | |
| | | | % of benchmark | *95.7* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 3 spp. | | no. tree spp. | 3 | | |
| | | | % of benchmark | *100.0* | 5 | |
| **Shrubs** | 4 spp. | | no. shrub spp. | 8 | | |
| | | | % of benchmark | *200.0* | 5 | |
| **Grass** | 12 spp. | | no. grass spp. | 10 | | |
| | | | % of benchmark | *83.3* | 2.5 | |
| **Other/forbs** | 23 spp. | | no. other/forb spp. | 17 | | |
| | | | % of benchmark | *73.9* | 2.5 | **15** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 5 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 23 | | |
| | | | % of benchmark | *153.3* | 5 | **5** |
| **Organic litter cover (%)** | 83 % | *5* | % organic litter cover | 34.2 | | |
| | | | % of benchmark | *41.2* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **56** |
| **BioCondition Class** | | | | | | |

| Site number: 050713 - 2 (FID 45) | Benchmark (13.12.8) | | BioCondition Plot | | Lat. -28.778 | Long. 151.851 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 4 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 43 /hectare | | | | | |
| **Non-eucalypts** | 53 cm (DBH) | | % of benchmark | *18.6* | 5 | **5** |
| | 2 /hectare | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 19 m (canopy) | | canopy (m) | 16 | | |
| | | | % of benchmark | *84.2* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 50 % | *5* | % canopy cover | 61.0 | | |
| | | | % of benchmark | *122.0* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 3 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 18 % | *5* | % shrub cover | 51 | | |
| | | | % of benchmark | *280.6* | 3 | **3** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 370 | | |
| | | | % of benchmark | *75.4* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 3 spp. | | no. tree spp. | 4 | | |
| | | | % of benchmark | *133.3* | 5 | |
| **Shrubs** | 4 spp. | | no. shrub spp. | 7 | | |
| | | | % of benchmark | *175.0* | 5 | |
| **Grass** | 12 spp. | | no. grass spp. | 14 | | |
| | | | % of benchmark | *116.7* | 5 | |
| **Other/forbs** | 23 spp. | | no. other/forb spp. | 10 | | |
| | | | % of benchmark | *43.5* | 2.5 | **17.5** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 2.5 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 20.2 | | |
| | | | % of benchmark | *134.7* | 5 | **5** |
| **Organic litter cover (%)** | 83 % | *5* | % organic litter cover | 55.4 | | |
| | | | % of benchmark | *66.7* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **65.5** |
| **BioCondition Class** | | | | | | |

| Site number: 090713 - 3 (FID 41) | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.737 | Long. 151.864 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 24 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *106.7* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 16 | | |
| | | | % of benchmark | *72.7* | 3 | **3** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 0 | | |
| | | | % of benchmark | *0* | 0 | **0** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 58.0 | | |
| | | | % of benchmark | *96.7* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 0 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 0 | | |
| | | | % of benchmark | *0.0* | 0 | **0** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 135 | | |
| | | | % of benchmark | *27.5* | 2 | **2** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 3 | | |
| | | | % of benchmark | *75.0* | 2.5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 1 | | |
| | | | % of benchmark | *12.5* | 0 | |
| **Grass** | 9 spp. | | no. grass spp. | 4 | | |
| | | | % of benchmark | *44.4* | 2.5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 6 | | |
| | | | % of benchmark | *28.6* | 2.5 | **7.5** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 20 | 5 | **5** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 12 | | |
| | | | % of benchmark | *80.0* | 3 | **3** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 31 | | |
| | | | % of benchmark | *39.2* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **43.5** |
| **BioCondition Class** | | | | | | |

| Site number: 080713 - 5 (FID 91) | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.753 | Long. 151.826 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 9 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *40.0* | 5 | **5** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 20 | | |
| | | | % of benchmark | *90.9* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 80 | | |
| | | | % of benchmark | *80* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 61.0 | | |
| | | | % of benchmark | *101.7* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 23.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 8 | | |
| | | | % of benchmark | *23.5* | 3 | **3** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd / ha | 335 | | |
| | | | % of benchmark | *68.2* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 5 | | |
| | | | % of benchmark | *125.0* | 5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 7 | | |
| | | | % of benchmark | *87.5* | 2.5 | |
| **Grass** | 9 spp. | | no. grass spp. | 13 | | |
| | | | % of benchmark | *144.4* | 5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 6 | | |
| | | | % of benchmark | *28.6* | 2.5 | **15** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 51.6 | | |
| | | | % of benchmark | *344.0* | 5 | **5** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 27.4 | | |
| | | | % of benchmark | *34.7* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **61** |
| **BioCondition Class** | | | | | | |

| Site number: 090713 - 10 (FID 93) | No benchmark 13.12.5 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.749 | Long. 151.830 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 18 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 10 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 20 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 4 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 63.0 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 22 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 12 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 615 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 13 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 13 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 18 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 47 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 37.2 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 040713 - 2 (FID 94) | No benchmark 13.12.5 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.752 | Long. 151.830 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 14 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 4 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 22 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 4 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 75 | | |
| | | | % of benchmark | *75* | 3 | **3** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 56.5 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 10 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 3 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 245 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 4 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 8 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 8 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 11 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 15 | 5 | **5** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 2.8 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 73.6 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **73** |
| **BioCondition Class** | | | | | | |

| Site number: 040713 - 1 (FID 82) | No benchmark 13.12.6 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.752 | Long. 151.834 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 0 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 3 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 12 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 4 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 0 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 0 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 22 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 260 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 13 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 6 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 19 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 2 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 2.8 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 020713 - 1 (FID 92) | No benchmark 13.12.2 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.749 | Long. 151.823 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 9 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 3 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 18 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 6 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 52 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 28 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 12.0 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 595 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 10 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 10 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 17 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 6 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 51 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 110713 - 2 (FID 105) | No benchmark 13.12.5 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.797 | Long. 151.832 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 21 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 6 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 18 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 3 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 70 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 26.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 20.5 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 520 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 8 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 7 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 14 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 2.5 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 7 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 26 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 110713 - 3 (FID 96) | No benchmark 13.12.2 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.748 | Long. 151.814 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 13 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 12 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 12 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 3 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 28 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 0 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 3 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 160 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 8 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 9 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 20 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 1.5 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 4.2 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 22.4 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 110713 - 6 (FID 107) | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.717 | Long. 151.990 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 8 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *35.6* | 5 | **5** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 22 | | |
| | | | % of benchmark | *100.0* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 3 | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 43.5 | | |
| | | | % of benchmark | *72.5* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 10.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 26.5 | | |
| | | | % of benchmark | *77.9* | 5 | **5** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd / ha | 0 | | |
| | | | % of benchmark | *0.0* | 0 | **0** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 3 | | |
| | | | % of benchmark | *75.0* | 2.5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 3 | | |
| | | | % of benchmark | *37.5* | 2.5 | |
| **Grass** | 9 spp. | | no. grass spp. | 9 | | |
| | | | % of benchmark | *100.0* | 5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 13 | | |
| | | | % of benchmark | *61.9* | 2.5 | **12.5** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 2.5 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 67 | | |
| | | | % of benchmark | *446.7* | 5 | **5** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 19.8 | | |
| | | | % of benchmark | *25.1* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **55.5** |
| **BioCondition Class** | | | | | | |

| Site number: 120713 - 1 (FID 98) | No benchmark 13.12.2/13.12.6 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.660 | Long. 151.949 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 14 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 10 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 13 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 3 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 75 | | |
| | | | % of benchmark | *75* | 3 | **3** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 34 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 28 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 30 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 135 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 6 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 9 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 12 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 2.5 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 9 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 28.8 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **78** |
| **BioCondition Class** | | | | | | |

| Site number: 150713 - 3 (FID 99) | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.660 | Long. 151.903 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 4 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *17.8* | 5 | **5** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 12 | | |
| | | | % of benchmark | *54.5* | 3 | **3** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 38.0 | | |
| | | | % of benchmark | *63.3* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 44.0 | | |
| | | | % of benchmark | *129.4* | 5 | **5** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd / ha | 55 | | |
| | | | % of benchmark | *11.2* | 2 | **2** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 4 | | |
| | | | % of benchmark | *100.0* | 5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 4 | | |
| | | | % of benchmark | *50.0* | 2.5 | |
| **Grass** | 9 spp. | | no. grass spp. | 10 | | |
| | | | % of benchmark | *111.1* | 5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 10 | | |
| | | | % of benchmark | *47.6* | 2.5 | **15** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 7.5 | 5 | **5** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 21 | | |
| | | | % of benchmark | *140.0* | 5 | **5** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 35 | | |
| | | | % of benchmark | *44.3* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **53** |
| **BioCondition Class** | | | | | | |

| Site number: 150713 - 2 (FID 97) | No benchmark 13.3.1 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.632 | Long. 151.958 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 20 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 13 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 12 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 4 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 12 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 10 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 13 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 395 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 4 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 6 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 16 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 2.5 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 36 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 24 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 160713 - 1 (FID 100) | No benchmark 13.3.1 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.661 | Long. 151.862 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 19 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 0 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 16 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 27 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 8 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 295 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 10 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 9 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 30 | 3 | **3** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 33 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 15.8 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **73** |
| **BioCondition Class** | | | | | | |

| Site number: 160713 - 5 (FID 71) | No benchmark 13.3.1 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.619 | Long. 151.878 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 14 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 2 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 21.2 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 80 | | |
| | | | % of benchmark | *80* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 45 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 0.5 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 40 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 2 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 4 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 9 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 17.5 | 5 | **5** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 25 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 33.2 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **75** |
| **BioCondition Class** | | | | | | |

| Site number: 170713 - 1 (FID 78) | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.690 | Long. 151.911 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 11 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *48.9* | 5 | **5** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 20 | | |
| | | | % of benchmark | *90.9* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 5.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 80 | | |
| | | | % of benchmark | *80* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 58.0 | | |
| | | | % of benchmark | *96.7* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 9.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 24 | | |
| | | | % of benchmark | *70.6* | 5 | **5** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 700 | | |
| | | | % of benchmark | *142.6* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 5 | | |
| | | | % of benchmark | *125.0* | 5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 9 | | |
| | | | % of benchmark | *112.5* | 5 | |
| **Grass** | 9 spp. | | no. grass spp. | 13 | | |
| | | | % of benchmark | *144.4* | 5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 13 | | |
| | | | % of benchmark | *61.9* | 2.5 | **17.5** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 14 | | |
| | | | % of benchmark | *93.3* | 5 | **5** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 56 | | |
| | | | % of benchmark | *70.9* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **67.5** |
| **BioCondition Class** | | | | | | |

| Site number: 170713 - 2 (FID 103) | No benchmark 13.11.3 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.366 | Long. 152.008 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 19 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 0 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 10.2 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 35 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 0 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 105 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 14 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 14 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 60 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 24.6 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **80** |
| **BioCondition Class** | | | | | | |

| Site number: 170713 - 3 (FID 102) | No benchmark 13.12.4 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.490 | Long. 151.915 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 5 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 1 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 12 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 5 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 23 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 41.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 23 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 160 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 12 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 6 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 20 | 5 | **5** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 33 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 21.6 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **75** |
| **BioCondition Class** | | | | | | |

| Site number: 180713 - 1 (FID B) | No benchmark 13.3.1 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.617 | Long. 151.879 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 7 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 0 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 14 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 66.6 | | |
| | | | % of benchmark | *67* | 3 | **3** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 57.5 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 12.5 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 95 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 5 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 8 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 10 | 5 | **5** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 22.6 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 50 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **73** |
| **BioCondition Class** | | | | | | |

| Site number: 180713 - 3 (FID I) | Benchmark (13.12.8) | | BioCondition Plot | | Lat. -28.582 | Long. 151.857 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 11 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 43 /hectare | | | | | |
| **Non-eucalypts** | 53 cm (DBH) | | % of benchmark | *51.2* | 10 | **10** |
| | 2 /hectare | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 19 m (canopy) | | canopy (m) | 25 | | |
| | | | % of benchmark | *131.6* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 8 | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 50 % | *5* | % canopy cover | 4.6 | | |
| | | | % of benchmark | *9.2* | 0 | **0** |
| **Sub-canopy** | n/a | | % subcanopy cover | 0.5 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 18 % | *5* | % shrub cover | 0 | | |
| | | | % of benchmark | *0.0* | 0 | **0** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 2520 | | |
| | | | % of benchmark | *513.2* | 2 | **2** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 3 spp. | | no. tree spp. | 4 | | |
| | | | % of benchmark | *133.3* | 5 | |
| **Shrubs** | 4 spp. | | no. shrub spp. | 6 | | |
| | | | % of benchmark | *150.0* | 5 | |
| **Grass** | 12 spp. | | no. grass spp. | 15 | | |
| | | | % of benchmark | *125.0* | 5 | |
| **Other/forbs** | 23 spp. | | no. other/forb spp. | 8 | | |
| | | | % of benchmark | *34.8* | 2.5 | **17.5** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 50 | 0 | **0** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 25.6 | | |
| | | | % of benchmark | *170.7* | 5 | **5** |
| **Organic litter cover (%)** | 83 % | *5* | % organic litter cover | 30.8 | | |
| | | | % of benchmark | *37.1* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **47.5** |
| **BioCondition Class** | | | | | | |

| Site number: 180713 - 4 (FID 12 replacement) | No benchmark 13.3.1 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.753 | Long. 151.857 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 26 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 0 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 19 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100.0 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 47.0 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 31.0 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 705 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 3 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 10 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 8 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 9 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 40 | 3 | **3** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 14 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 9 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **73** |
| **BioCondition Class** | | | | | | |

| Site number: 190713 - 1 (FID 85) | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.710 | Long. 151.830 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 17 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *75.6* | 10 | **10** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 22 | | |
| | | | % of benchmark | *100.0* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 51.5 | | |
| | | | % of benchmark | *85.8* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 19 | | |
| | | | % of benchmark | *55.9* | 5 | **5** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 650 | | |
| | | | % of benchmark | *132.4* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 5 | | |
| | | | % of benchmark | *125.0* | 5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 6 | | |
| | | | % of benchmark | *75.0* | 2.5 | |
| **Grass** | 9 spp. | | no. grass spp. | 11 | | |
| | | | % of benchmark | *122.2* | 5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 11 | | |
| | | | % of benchmark | *52.4* | 2.5 | **15** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 7.5 | 5 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 3 | | |
| | | | % of benchmark | *20.0* | 1 | **5** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 51.6 | | |
| | | | % of benchmark | *65.3* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **70** |
| **BioCondition Class** | | | | | | |

| Site number: 190713 - 2 (FID E) | No benchmark 13.12.6 (full scores have been applied ex. Recruitment and non-native cover) | | BioCondition Plot | | Lat. -28.711 | Long. 151.832 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 5 | | |
| **Eucalypts** | n/a | | no. non-Euc. | 0 | | |
| | n/a | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *n/a* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | n/a | | canopy (m) | 20 | | |
| | | | % of benchmark | *n/a* | 2.5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | 4 | | |
| | | | % of benchmark | *n/a* | 2.5 | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100.0 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | n/a | *5* | % canopy cover | 18.0 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 14 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | n/a | *5* | % shrub cover | 8.5 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Coarse woody debris (m/ha)** | n/a | *5* | m cwd / ha | 300 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | n/a | | no. tree spp. | 6 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Shrubs** | n/a | | no. shrub spp. | 6 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Grass** | n/a | | no. grass spp. | 12 | | |
| | | | % of benchmark | *n/a* | 5 | |
| **Other/forbs** | n/a | | no. other/forb spp. | 8 | | |
| | | | % of benchmark | *n/a* | 5 | **20** |
| **Non-native plant cover (%)** | 0 % | *10* | % non-native plant cover | 7.5 | 5 | **5** |
| **Native perennial grass cover (%)** | n/a | *5* | % native grass cover | 36 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Organic litter cover (%)** | n/a | *5* | % organic litter cover | 31 | | |
| | | | % of benchmark | *n/a* | 5 | **5** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **75** |
| **BioCondition Class** | | | | | | |

| Site number: BC1 Connolly Dam | No benchmark 13.11.8, 13.12.8 benchmark used instead | | BioCondition Plot | | Lat. -28.356 | Long. 152.002 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 35 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 43 /hectare | | | | | |
| **Non-eucalypts** | 53 cm (DBH) | | % of benchmark | *77.8* | 10 | **10** |
| | 2 /hectare | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 19 m (canopy) | | canopy (m) | 17.5 | | |
| | | | % of benchmark | *92.1* | 5 | **5** |
| **Sub-canopy** | n/a | | subcanopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 50 % | *5* | % canopy cover | 51.0 | | |
| | | | % of benchmark | *102.0* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | 15 | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 18 % | *5* | % shrub cover | 2 | | |
| | | | % of benchmark | *10.0* | 3 | **3** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 70 | | |
| | | | % of benchmark | *14.3* | 2 | **2** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 3 spp. | | no. tree spp. | 3 | | |
| | | | % of benchmark | *100.0* | 5 | |
| **Shrubs** | 4 spp. | | no. shrub spp. | 6 | | |
| | | | % of benchmark | *150.0* | 5 | |
| **Grass** | 12 spp. | | no. grass spp. | 4 | | |
| | | | % of benchmark | *33.3* | 2.5 | |
| **Other/forbs** | 23 spp. | | no. other/forb spp. | 13 | | |
| | | | % of benchmark | *56.5* | 2.5 | **15** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 1 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 62.6 | | |
| | | | % of benchmark | *417.3* | 5 | **5** |
| **Organic litter cover (%)** | 83 % | *5* | % organic litter cover | 25.6 | | |
| | | | % of benchmark | *30.8* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **63** |
| **BioCondition Class** | | | | | | |

| Site number: BC2 Stanthorpe Industrial Estate | Benchmark (13.12.9) | | BioCondition Plot | | Lat. -28.658 | Long. 151.906 |
|---|---|---|---|---|---|---|
| **Attribute** | **Threshold** | **Weighting (%)** | **Value** | | **Sub-score** | **Score** |
| **Large trees** | | *15* | no. Euc. | 30 | | |
| **Eucalypts** | 43 cm (DBH) | | no. non-Euc. | 0 | | |
| | 45 /hectare | | | | | |
| **Non-eucalypts** | n/a | | % of benchmark | *133.3* | 15 | **15** |
| | n/a | | | | | |
| **Tree canopy height (m)** | | *5* | | | | |
| **Canopy** | 22 m (canopy) | | canopy (m) | 22 | | |
| | | | % of benchmark | *100.0* | 5 | **5** |
| **Sub-canopy** | n/a | | sub-canopy (m) | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Recruitment of canopy species (%)** | 100 % | *5* | % recruitment | 100 | | |
| | | | % of benchmark | *100* | 5 | **5** |
| **Tree canopy cover (%)** | | | | | | |
| **Canopy** | 60 % | *5* | % canopy cover | 59.8 | | |
| | | | % of benchmark | *99.7* | 5 | **5** |
| **Sub-canopy** | n/a | | % subcanopy cover | n/a | | |
| | | | % of benchmark | *n/a* | | |
| **Shrub cover (%)** | 34 % | *5* | % shrub cover | 40 | | |
| | | | % of benchmark | *117.6* | 5 | **5** |
| **Coarse woody debris (m/ha)** | 491 m/ha | *5* | m cwd | 880 | | |
| | | | % of benchmark | *179.2* | 5 | **5** |
| **Native plant spp. richness** | | *20* | | | | |
| **Trees** | 4 spp. | | no. tree spp. | 4 | | |
| | | | % of benchmark | *100.0* | 5 | |
| **Shrubs** | 8 spp. | | no. shrub spp. | 5 | | |
| | | | % of benchmark | *62.5* | 2.5 | |
| **Grass** | 9 spp. | | no. grass spp. | 4 | | |
| | | | % of benchmark | *44.4* | 2.5 | |
| **Other/forbs** | 21 spp. | | no. other/forb spp. | 15 | | |
| | | | % of benchmark | *71.4* | 2.5 | **12.5** |
| **Non-native plant cover (%)** | 0 | *10* | % non-native plant cover | 0 | 10 | **10** |
| **Native perennial grass cover (%)** | 15 % | *5* | % native grass cover | 22.5 | | |
| | | | % of benchmark | *150.0* | 5 | **5** |
| **Organic litter cover (%)** | 79 % | *5* | % organic litter cover | 22.5 | | |
| | | | % of benchmark | *28.5* | 3 | **3** |
| **Landscape context (fragmented)** | | | | | | |
| **Patch size** | | *10* | | | | |
| **Context** | | *5* | | | | |
| **Connectivity** | | *5* | | | | |
| **Total Score** | | ***100*** | | | | **70.5** |
| **BioCondition Class** | | | | | | |