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SD22 SPINE PIPELINE ECOLOGICAL CONSTRAINTS MAPPING

Report prepared for
Santos Pty Ltd

July 2021

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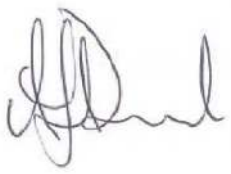

Dr Andrew Daniel
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Date: July 2021

SD22 SPINE PIPELINE ECOLOGICAL CONSTRAINTS MAPPING

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Abbreviations

EA	Environmental Authority
ESA	Environmentally Sensitive Area
DES	Department of Environment and Science
DNR	Department of Natural Resources
RE	Regional Ecosystems
VM Act	Queensland's Vegetation Management Act 1999
TEC	Threatened Ecological Community

1.0 Introduction

1.1 Background and Purpose

Terrestria Pty Ltd has prepared this report for Santos Pty Ltd with the purpose of providing an independent ecological mapping assessment of the 'Spine' pipeline through the SD22 gas field (Survey area), Southern Queensland (**Figure 1.1**).

On-ground and desktop assessments of the extant vegetation within the Survey area have been conducted in accordance with requirements set out under the Santos Methodology for Assessing Ecological Values (0007-650-PRO-0007). Ecological values that were assessed include:

- Functional regional ecosystem (Endangered and Of Concern) and Threatened Ecological Community[1] (TEC) verification;
- BioCondition assessments within all Assessment Units (AUs) as per DES Guide to determining terrestrial habitat quality (2020);
- MNES/MSES fauna habitat assessment plus incidental threatened fauna observations;
- Fauna habitat mapping of all threatened fauna;
- MNES/MSES flora habitat assessment, plus incidental threatened flora observations;
- Protected plant survey in high-risk trigger areas and areas where EPBC species are considered likely (e.g. Belson's Panic); and
- Incidental fauna sightings.

1.2 General Survey Area Description

The Pickanjinnie Tie In Point to R-HCS-02 Looping Pipeline forms the western section of the SD22 Spine Pipeline Survey area. It starts on The Bend Station, just north of the Blythdale Road, crosses Blyth Creek and heads in an easterly direction and terminates just east of the Pickanjinie Road, west of Wallumbilla (**Figure 1.1**).

The eastern section of the SD22 Spine Pipeline Survey area extends from just east of Wallumbilla township to west of the Yuleba Taroom Road and north to Anaby Creek (**Figure 1.1**). The western half of this section runs from R-NCS-02 to Myalla Tie In Point and the eastern section runs from the Wyena Metering Manifold Station to R-NCS-02.

The Survey area is dissected north-south by Yuleba Creek and in a North-westerly – south-easterly direction by Kangaroo Creek. The Survey area is dominated by cleared cattle pastures with some notable areas of native vegetation, including Yuleba State Forest in the east and the Burnside Station in the west.

[1] EPBC act 1999

2.0 Methodology

Field and desktop assessments were carried out in accordance with the following Santos documents:

- Methodology for Assessing Ecological Values (0007-650-PRO-0007)
- Santo's Procedure for Conducting Vegetation Assessments, Document Number: 0007-650-PRO-0008,
- Procedure for Conducting Preliminary Ecological Desktop Assessments (0007-650-PRO-0009)
- Procedure for Conducting Wetland Assessments (3301-GLNG-4-1.3-0016)
- Guideline for Conducting Vegetation Community Assessments: A Guide to Using the 'Procedure for Vegetation Community Assessments' (0007-650-GDE-0002).

Results from the protected matters search tool, WildNet database and State 1:10,000 regional ecosystem mapping have been used to build up a picture of the potential values present on or close to the Survey area. The field assessment has identified the existence of these values on-ground and the impact assessment guideline has been used to assess whether proposed actions will have a significant impact on any matters of national environmental significance.

2.1 Desktop Review

Prior to the field investigation, all available spatially explicit data and imagery was interrogated in order to build up a picture of the native vegetation community types, distribution and condition across the Survey area.

2.1.1 Native Vegetation Community base mapping

A base map of the likely vegetation communities and associated regional ecosystems was developed within ArcMap. The following State government mapping was downloaded and imported into the GIS platform to provide a basis for polygon attribution.

- Detailed Surface Geology 1:250,000 (DNR 2015) (Figure 3.1);
- DES's VM Act Regional Ecosystem and Remnant Mapping-Version 11 (Figure 3.2); and
- High Value Regrowth Mapping.

The 1:100,000 State regional ecosystem mapping was refined to the site-scale by producing linework delineation of previously mapped vegetation and areas of previously unmapped native vegetation at 1: 6,000. Regional ecosystem type was assigned to each polygon using expert interpretation of underlying geology, landform, aerial imagery and previous mapping.

2.1.2 Threatened Species Modelling

The results of database searches and species identified in Boobook (2020) were used to inform the field investigation and target species listed under the EPBC Act and/or NC Act. Information gained from this phase of the study has been used to:

- Identify communities and species of significance known from the locality;
- Determine which species of significance are most likely to occur if suitable habitat is located within the Survey area. Those species that are known from nearby records and State mapping are considered more likely to occur if suitable habitat is located; and
- Identify significant areas and planning constraints associated with statutory mapping within the Survey area.

This work was used to focus survey efforts and develop field work programs.

2.2 Field Assessments

Ecological surveys using the methods detailed above, were undertaken between November 2020 and February 2021. The locations of field survey sites are given in **Appendix A** and field data sheets are presented in **Appendices B**, **C** and **D**.

2.2.1 Nomenclature and taxonomy

Scientific names of flora cited in this report follow Bostock and Holland (2018). Common names for plants are used where helpful and are cited before the scientific name where they are used.

Fauna nomenclature follows the International Ornithological Committee checklist (for birds) and DEHP's WildNet database taxonomy (for all other fauna), unless otherwise noted. Some notable references include Churchill (2008), Debus (2012), Van dyck et al., (2013), Cogger (2000), Crome and Shields (1992), Marchant and Higgins (1993), Menkhorst and Knight (2004), Pizzey and Knight (2012), Wilson (2015).

2.2.2 Vegetation Condition Assessment

BioCondition sites were established in all major vegetation assessment units (AUs) using the BioCondition classes and scores derived from the BioCondition – A Terrestrial Vegetation Condition Assessment Tool for Biodiversity in Qld (Eyre et al. 2006).

In accordance with the bio-condition methodology the following site-based condition attributes were assessed:

- Presence of large trees;
- Tree canopy height;
- Recruitment of canopy species;
- Tree canopy cover (%);
- Shrub layer cover (%);
- Coarse woody debris;
- Native plant species richness for four life forms;
- Non-native plant cover;
- Native perennial grass cover (%); and
- Litter cover.

Section 1.4.2.1 Box 1.3 of the *Guide to Determining Terrestrial Habitat Quality* (DES 2020) allows for the reduction in the number of assessment units required "if it can be demonstrated that an assessment unit contains multiple discrete polygons that are uniform or in the same general condition".

To demonstrate that multiple discrete polygons of the same mapped assessment unit are in the same general condition, sufficient field data was taken during vegetation community mapping across the survey area to show uniformity and consistency in vegetation condition[2].

This data demonstrates that mapped vegetation types can be classified into 2 categories of relatively uniform condition for offsetting purposes. These categories will be:

- Remnant RE, and
- Functional Regrowth RE;

All mapped vegetation polygons have been classified into one of these condition groups and metrics of condition have been estimated for each polygon with attendant photographs.

[2] Terrestrial Habitat Quality Guidelines (2020), Box 1.3, page 15.

2.3 Post-Survey Assessments

2.3.1 Vegetation Community Mapping

Site-scale vegetation community mapping was produced using field data, aerial photography interpretation and refined (1:6000) linework within a GIS platform. This mapping was used to calculate the areas of remnant regional ecosystems and regrowth (vegetation community types) present within the SD22 Spine Pipeline Survey area.

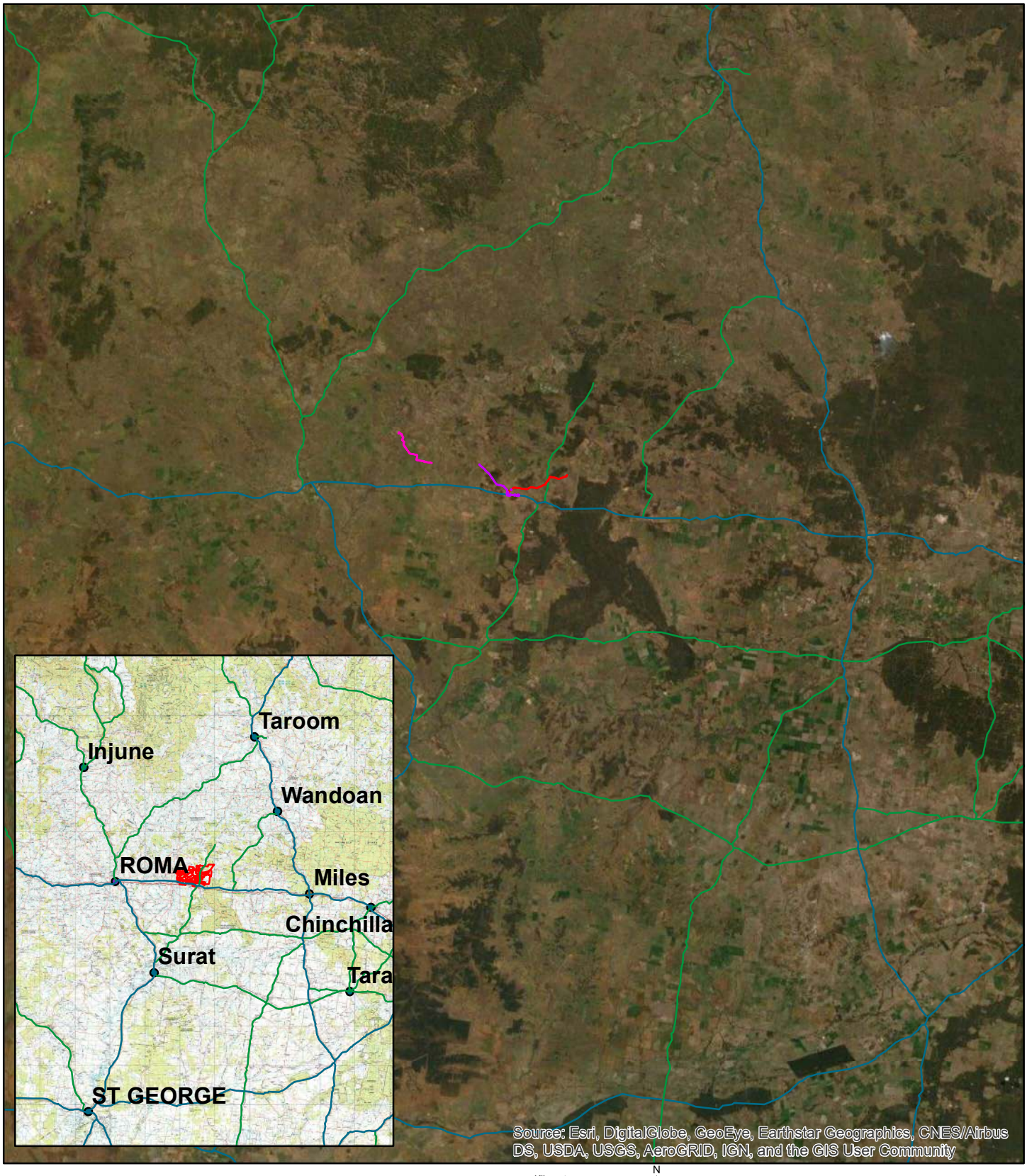
2.3.2 Threatened Fauna Habitat Mapping

Threatened[3] fauna habitat was modelled using the mapping rules for fauna species within Boobook (2020). Habitat types were assigned to field vegetation community mapping to identify areas of habitat that may support threatened species. Areas of non-remnant vegetation that were determined to be functional regrowth or meet the criteria of a TEC were also considered to provide functional habitat for threatened species.

Areas of mapped non-functional regrowth that do not meet requirements as a TEC or "functional regional ecosystem[4]" do not possess the micro-habitat components that provide habitat for threatened species and are considered to be generally unsuitable. This non-functional young regrowth vegetation has been mapped to provide information on potential offset areas and areas to avoid unnecessary disturbance if possible.

After habitat suitability was assigned to all mapped vegetation polygons for all threatened fauna species the areas of each habitat type present within the survey area were calculated and exported from the GIS.

[3] EPBC (1999) and NCA (1992)
[4] Guideline for Conducting Vegetation Assessment: A guide to using the 'procedure for Conducting Vegetation Assessments', doc no.: 0007-650-GDE-0002



Legend

- The Pickanjinnie Tie In Point to R-HCS-02 Looping
- R-NCS-02 to Myalla Tie In Point
- Wyena Metering Manifold Station to R-NCS-02

FIGURE 1.1

Survey Area Location

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

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3.0 Results

The results of this report are based on a combination of desktop and site investigations as detailed in Section 2.0, above. Desktop surveys were used to highlight the potential ecological values that may be present within the Survey area. This work included the integration of current high-quality aerial photography, State regional ecosystem mapping, watercourse, essential habitat and preclearance regional ecosystem mapping to gain an understanding of the likely distribution of vegetation communities and associated regional ecosystems across the Survey area. These spatially explicit data were loaded onto tablets and hand-held GPS to inform field surveys. Field surveys attempted to sample as much of the Survey area as possible with priority given to areas of threatened vegetation and habitat for threatened species.

3.1.1 Geology

The Detailed surface geology – Queensland (2015) spatial database mapping layer (**Figure 3.1**) identifies the study area as being dominated by fine grained sandstones (land zone 9) overlain by expanses of deep sand sheets of indeterminate origin or deeply weathered in-situ (Doncaster member (w)(LZ5) in the south and west. The underlying cretaceous geology of fine-grained sandstone have weathered to give rise to valley bottoms that support deep sandy clays (land zone 9) (**Tables 3.1**), whilst the overlying deeply weathered material presents as large relatively deep sandy plains. Yuleba and Kangaroo Creeks in the east and Blyth Creek in the west provide flat flood plains that support mosaic of clays and sands classified as Land zone 3.

Table 3.1: Major Geology Units Mapped from the Survey Area (source: Detailed surface geology – Queensland, 2015)

Map Symbol/Name	Age	Lithology Description	Land Zone
Bungil Formation	Cretaceous	Glauconitic, labile to quartzose, siltstone, mudstone	9
Doncaster Member	Cretaceous	Carbonaceous mudstone, siltstone, minor siltstone; some glauconitic and calcareous; shelly fossils	9
Doncaster member (w)	Cretaceous	Deeply weathered carbonaceous mudstone, siltstone, minor siltstone; some glauconitic and calcareous; shelly fossils	5
Kyk Kingull Member	Cretaceous	Clayey sandstone and carbonaceous mudstone	9
KyiMinmi Member	Cretaceous	Glauconitic lithic to quartzose sandstone, siltstone and mudstone, locally bioturbated with shelly fossils	9
Mooga Sandstone	Jurassic	Sandstone, siltstone, mudstone	9
Nullawurt Sands	Cretaceous	Quartzose to labile sandstone, siltstone and mudstone	9
JKb Mooga Sandstone	Jurassic	Sandstone, siltstone, mudstone	9
Kyn Nullawurt Sandstone Member	Cretaceous	Quartzose to labile sandstone, siltstone and mudstone	9
Qa-QLD	Quaternary	Clay, silt, sand and gravel; flood-plain alluvium	3
Qs-SQ>Doncaster Member	Quaternary	Sand, red sandy soil, silt and some gravel; floodout and sheet sand with some alluvium	5
Ts-QLD		Clayey sublabile to quartzose sandstone, sandy claystone, laminated siltstone, and local conglomerate	5

3.1.2 Regional Ecosystem Distribution

The distribution of remnant (VM Act) regional ecosystems as mapped by the Queensland Herbarium (V11) at a scale of 1:100,000 is shown in **Figure 3.2**. Descriptions from the Regional Ecosystem Description Database (REDD) (version 11) for these regional ecosystems are presented in **Table 3.2.**

The Herbarium 1:100,000 regional ecosystem maps a very small patch of RE 11.10.9 on Blyth Creek within the western section of the SD22 Pipeline. In the east, the State maps the remnant vegetation as a mosaic of eucalypt dominated woodlands on sand soils (RE 11.5.1) and woodlands on lateritic surfaces (RE 11.7.2) with some small patches of brigalow and belah dominated open forest and River redgum woodland associated with creek lines (RE11.3.2 and RE11.3.25). These remnant patches occur within a matrix dominated by cleared grazing and cropping lands.

Table 3.2: State Mapped Regional Ecosystems within the Survey Area

RE	Biodiversity status	Description
11.10.9	LC	*Callitris glaucophylla* woodland on coarse-grained sedimentary rocks
11.3.2	OC	*Eucalyptus populnea* woodland on alluvial plains
11.3.25	OC	*Eucalyptus tereticornis* or *E. camaldulensis* woodland fringing drainage lines
11.5.1	NCP	*Eucalyptus crebra* and/or *E. populnea*, *Callitris glaucophylla*, *Angophora leiocarpa*, *Allocasuarina luehmannii* woodland on Cainozoic sand plains and/or remnant surfaces
11.5.5	NCP	*Eucalyptus melanophloia, Callitris glaucophylla* woodland on Cainozoic sand plains and/or remnant surfaces. Deep red sands
11.7.2	NCP	Acacia spp. woodland on Cainozoic lateritic duricrust. Scarp retreat zone
11.7.6	NCP	*Corymbia citriodora* or *Eucalyptus crebra* woodland on Cainozoic lateritic duricrust
11.9.10	E	*Eucalyptus populnea* open forest with a secondary tree layer of *Acacia harpophylla* and sometimes *Casuarina cristata* on fine-grained sedimentary rocks
Non-rem		Mainly grazing land and associated activities

NCP = no concern at present, OC = Of concern, E = Endangered

3.1.3 Threatened Ecological Communities

There are five Threatened Ecological Communities (TEC) predicted to occur within the Survey area:

- Brigalow (*Acacia harpophylla* dominant and codominant)
- Coolibah - Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions
- Poplar Box Grassy Woodland on Alluvial Plains
- Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions
- Weeping Myall Woodlands.

3.1.4 Threatened Species

A Protected Matters Report for the pipeline area presents the threatened species[5] modelled to occur within the local area (**Appendix A**). A WildNet database search that encompasses the entire pipeline area presents threatened species[6] recorded within the local area (**Appendix B**). Threatened fauna species that could possibly occur within the Survey area are those listed for the Roma gas fields in Boobook (2020).

[5] For those species listed as threatened under the EPBC act 1999
[6] For those species listed as threatened under the Nature Conservation Act, 1992 and EPBC act 1999

3.2 Field Results

Field results are based on surveys carried out between November 2020 and February 2021 by Terrestria and AECOM field crews.

3.2.1 Field Mapped Regional Ecosystems

The western section of the Pipeline Survey area (relevant to the Looping pipeline) has been cleared and there are no Remnant[7], functional regrowth or areas of TEC.

The remnant regional ecosystems within the western portions of the eastern section of the Pipeline Survey area (relevant to the R-NCS-02 to Myalla Tie In Point pipeline) are dominated by Narrow-leaved ironbark *Eucalyptus crebra* and Poplar box *Eucalyptus populnea* dominated woodlands with a subcanopy characterised by the presence of white cypress *Callitris glaucophylla* on soils derived from deeply weathered material of indeterminate origin (11.5.1) with minor occurrences of Poplar box *Eucalyptus populnea* and Brigalow *Acacia harpophylla* dominated woodlands on old and alluvial clay soils (11.3.1 and 11.9.10) that have been disturbed to varying.

3.2.2 Functional and Non-functional Regrowth

Areas of regrowth were mapped regardless of functional status. Those areas that processed sufficient habitat attributes to be regarded as functional according to Santos' method (Boobook 2020) were noted whilst other areas of younger regrowth or in poorer condition were mapped as non-functional. These non-functional regrowth patches do not represent an ESA or TEC as they contain very little in the way of habitat factors for threatened species and are very unlikely to support these threatened species. They have been mapped to identify them for future offset areas and to provide information to project managers looking at native vegetation on aerial photographs that would otherwise have no supporting information.

3.2.3 Threatened Ecological Communities

Only remnant vegetation that meets the definition of "Brigalow (*Acacia harpophylla* dominant and codominant)" was mapped.

3.2.4 Threatened Species Survey

No evidence of the Threatened[8] flora or fauna species were observed within the Survey area.

[7] *Vegetation Management Act, 1999*
[8] *Nature Conservation Act (1992)* or the *Environment Protection and Biodiversity Conservation Act (1999)*

Table 3.3: Field Mapped Regional Ecosystems within the Survey Area

RE	Biodiversity status	Description
11.3.1	E	*Acacia harpophylla* and/or *Casuarina cristata* open forest on alluvial plains
11.3.1 regrowth		EDL does not meet height and cover requirement for remnant status
11.3.2	OC	*Eucalyptus populnea* woodland on alluvial plains
11.3.25	OC	*Eucalyptus tereticornis* or *E. camaldulensis* woodland fringing drainage lines
11.5.1	NCP	*Eucalyptus crebra* and/or *E. populnea*, *Callitris glaucophylla*, *Angophora leiocarpa*, *Allocasuarina luehmannii* woodland on Cainozoic sand plains and/or remnant surfaces
11.5.1 regrowth		EDL does not meet height and cover requirement for remnant status
11.7.2	NCP	Acacia spp. woodland on Cainozoic lateritic duricrust. Scarp retreat zone
11.7.2 regrowth		EDL does not meet height and cover requirement for remnant status
11.7.7	NCP	*Eucalyptus fibrosa subsp. nubilis* +/- *Corymbia spp.* +/- *Eucalyptus spp.* woodland on Cainozoic lateritic duricrust
11.9.10	E	*Eucalyptus populnea* open forest with a secondary tree layer of *Acacia harpophylla* and sometimes *Casuarina cristata* on fine-grained sedimentary rocks
11.9.10 regrowth	E	EDL does not meet height and cover requirement for remnant status
11.9.5 regrowth		EDL does not meet height and cover requirement for remnant status
11.9.7	OC	*Eucalyptus populnea, Eremophila mitchellii* shrubby woodland on fine-grained sedimentary rocks
11.9.7 regrowth		EDL does not meet height and cover requirement for remnant status
Non-rem		Mostly cleared grazing land and associated activities

NCP = no concern at present, OC = Of concern, E = Endangered, EDL = ecological dominant layer

3.2.5 Threatened Fauna Habitat Mapping

Threatened fauna habitat was mapped using the mapping rules provided for Roma gas fields in Boobook (2020). Regional ecosystems assessed as providing habitat for threatened fauna are given in **Table 3.4**.

Mapped remnant vegetation and functional ecologically sensitive areas were considered to possess sufficient microhabitat features to provide habitat for these species. In addition, non-functional TECs were assessed on a patch by patch basis using field data and aerial photograph interpretation.

Table 3.4: Habitat Types for Threatened Fauna Species of the Roma Gas Fields

Common Name	Label	General Habitat	Essential Habitat
South-eastern Long-eared bat *Nyctophilus corbeni*	Nyct_corb	11.3.2, 11.5.1, 11.5.5, 11.7.2, 11.7.7, 11.9.7, 11.9.10	
Greater Glider *Petauroides volans*	Peta_vola	11.7.2, 11.9.5, 11.9.10	
Koala *Phascolarctos cinereus*	Phas_cine	11.3.2, 11.5.1, 11.5.5, 11.7.2, 11.7.7, 11.9.5, 11.9.7, 11.9.10	11.3.2, 11.3.25
Australasian Bittern *Botaurus poiciloptilus*	Bota_poic	11.3.1, 11.3.2, 11.3.2b, 11.3.25	
Curlew Sandpiper *Calidris ferruginea*	Cali_ferr	11.3.1, 11.3.2, 11.5.1, 11.5.5, 11.7.2, 11.7.7, 11.9.5, 11.9.7, 11.9.10	
Glossy Black-Cockatoo *Calyptorhynchus lathami*	Caly_lath	no habitat present	
Painted Honeyeater *Grantiella picta*	Gran_pict	11.3.25	
White-throated Needletail *Hirundapus caudacutus*	Hiru_caud	11.3.1, 11.3.2, 11.3.25	

Common Name	Label	General Habitat	Essential Habitat
Australian Painted Snipe *Rostratula australis*	Rost_aust	11.7.2, 11.7.7, 11.9.5	
Common Death Adder *Acanthophis antarcticus*	Acan_anta	11.3.1, 11.9.5, 11.9.10	
Woma *Aspidites ramsayi*	Aspi_rams	11.3.2, 11.5.1, 11.5.5, 11.7.2, 11.7.7, 11.9.7, 11.9.10	
Collared Delma *Delma torquata*	Delm_torq	11.7.2, 11.9.5, 11.9.10	
Yakka Skink *Egernia rugosa*	Eger_rugo	11.3.2, 11.5.1, 11.5.5, 11.7.2, 11.7.7, 11.9.5, 11.9.7, 11.9.10	11.3.2, 11.5.1,
Dunmall's Snake *Furina dunmalli*	Furi_dunm	11.3.1, 11.3.2, 11.3.2b, 11.3.25	
Grey Snake *Hemiaspis damelii*	Hemi_dame	11.3.1, 11.3.2, 11.5.1, 11.5.5, 11.7.2, 11.7.7, 11.9.5, 11.9.7, 11.9.10	
Golden-tailed Gecko *Strophurus taenicauda*	Stro_taen	no habitat present	
Roma Earless Dragon *Tympanocryptis wilsoni*	Tymp_wils	11.3.25	
Murray Cod *Maccullochella peelii*	Macc_peel	11.3.1, 11.3.2, 11.3.25	
Brigalow Woodland Snail *Adclarkia cameroni*	Adcl_came	11.7.2, 11.7.7, 11.9.5	
Dulacca Woodland Snail *Adclarkia dulacca*	Adcl_dula	11.3.1, 11.9.5, 11.9.10	
Pale Imperial Hairstreak butterfly *Jalmenus eubulus*	Jalm_eubu	11.3.2, 11.5.1, 11.5.5, 11.7.2, 11.7.7, 11.9.7, 11.9.10	

3.2.6 BioCondition Assessment

BioCondition assessments were made on all remnant and regrowth regional ecosystems that occur within the SD22 Spine Pipeline Survey area. A total of 42 BioCondition sites were undertaken across the broader SD22 Survey area. The locations of BioCondition sites are given in **Appendix A**. Field Assessment Sheets are presented in **Appendix E** and Field and landscape data are presented within **Appendix F**. The site scores are given in **Table 3.5**. These site scores are relevant to the R-NCS-02 to Myalla Tie In Point pipeline and Wyena Metering Manifold station to R-NCS-02 pipeline. No BioCondition scores are given for REs 11.3.2b and RE 11.5.5 as there are currently no published benchmark data for these regional ecosystems.

Table 3.5: BioCondition Scores for the SD22 East Survey Area

siteid	re	growth_status	tot_num_large_trees_ha	canopy_height	recruitment_canopy_sp_	canopy_cover	shrub_canopy_cover	woody debris_length_ha	native_sp_richness_	non-native_cover	native_per_grass	litter_grd_cov_	patch_size_ha_	context	connectivity	site_score	landscape_score	BIOCONDITION_SCORE
914	11.5.1	remnant	15	4	5	5	5	3	10	10	5	5	10	5	0	0.84	0.75	0.82
916	11.5.5	remnant	NS	NS	5	NS	NS	NS	NS	10	NS	NS	10	5	4	NS	0.95	NS
918	11.7.2	remnant	0	1.5	5	2.5	0	5	10	10	0	3	5	4	5	0.46	0.70	0.51
920	11.9.10	regrowth	10	3	3	2.5	3	5	12.5	10	1	5	5	4	0	0.69	0.45	0.64
922	11.9.10	regrowth	5	4	5	2.5	0	2	10	10	5	5	5	4	2	0.61	0.55	0.60
924	11.9.5	regrowth	0	1.5	5	2.5	0	0	12.5	10	0	3	2	0	0	0.43	0.10	0.37
940	11.9.10	remnant	15	3	3	5	0	3	10	10	0	5	10	5	5	0.68	1.00	0.74
984	11.3.2	regrowth	5	3	5	5	0	0	7.5	10	5	5	5	4	4	0.57	0.65	0.59
989	11.3.25	remnant	10	5	0	3	5	0	7.5	0	0	3	5	4	4	0.42	0.65	0.47
1007	11.7.2	remnant	0	3	5	5	3	2	10	10	1	3	5	5	5	0.53	0.75	0.57

siteid	re	growth_status	tot_num_large_trees_ha	canopy_height	recruitment_canopy_sp_	canopy_cover	shrub_canopy_cover	woody debris_length_ha	native_sp_richness_	non-native_cover	native_per_grass	litter_grd_cov_	patch_size_ha_	context	connectivity	site_score	landscape_score	BIOCONDITION_SCORE
1171	11.5.1	regrowth	0	5	3	5	0	3	7.5	10	1	5	5	4	0	0.49	0.45	0.49
1229	11.3.25	regrowth	0	3	5	5	0	5	12.5	0	5	3	0	0	0	0.48	0.00	0.39
1232	11.5.1	regrowth	0	1.5	5	2.5	0	3	10	0	3	5	2	2	0	0.38	0.20	0.34
1247	11.3.25	regrowth	0	3	5	3	0	5	10	0	5	5	2	2	0	0.45	0.20	0.40
1249	11.5.5	regrowth	NS	NS	5	NS	NS	NS	NS	5	NS	NS	2	2	0	NS	0.20	NS
1255	11.5.5	Regrowth	NS	NS	5	NS	NS	NS	NS	10	NS	NS	2	2	2	NS	0.30	NS
1278	11.3.2	remnant	0	5	3	2	5	5	15	5	3	5	2	2	4	0.60	0.40	0.56
1330	11.9.10	remnant	10	5	5	2	3	3	5	10	0	5	5	2	0	0.60	0.35	0.55
1332	11.5.5	regrowth	NS	NS	5	NS	NS	NS	NS	10	NS	NS	10	5	5	NS	1.00	NS
1334	11.9.10	regrowth	0	1.5	5	3.5	0	3	12.5	10	1	5	2	2	5	0.52	0.45	0.51

siteid	re	growth_status	tot_num_large_trees_ha	canopy_height	recruitment_canopy_sp_	canopy_cover	shrub_canopy_cover	woody debris_length_ha	native_sp_richness_	non-native_cover	native_per_grass	litter_grd_cov_	patch_size_ha_	context	connectivity	site_score	landscape_score	BIOCONDITION_SCORE
1336	11.3.2	remnant	0	5	5	5	0	3	15	10	1	3	10	5	2	0.59	0.85	0.64
1338	11.9.10	regrowth	0	0	5	4	0	3	10	10	0	5	10	5	5	0.46	1.00	0.57
1340	11.7.6	Regrowth	0	4	0	3.5	0	3	15	10	5	5	5	2	0	0.57	0.35	0.53
1342	11.7.6	Regrowth	0	1.5	5	2.5	0	5	12.5	10	5	3	5	2	0	0.56	0.35	0.52
1344	11.7.2	remnant	0	4	3	4	0	2	15	10	5	5	5	4	5	0.60	0.70	0.62
1348	11.7.6	Remnant	0	4	5	4	0	5	12.5	10	5	5	5	2	0	0.63	0.35	0.58
1350	11.7.6	Remnant	5	4	3	2.5	5	3	12.5	10	5	5	2	0	0	0.69	0.10	0.57
1353	11.7.7	regrowth	0	5	3	4	0	3	10	10	5	5	5	4	2	0.56	0.55	0.56
1355	11.7.2	regrowth	0	1.5	5	2.5	0	2	12.5	10	5	5	2	0	0	0.54	0.10	0.46
1357	11.7.2	regrowth	0	1.5	5	2.5	0	0	12.5	3	3	3	0	0	0	0.38	0.00	0.31

siteid	re	growth_status	tot_num_large_trees_ha	canopy_height	recruitment_canopy_sp_	canopy_cover	shrub_canopy_cover	woody debris_length_ha	native_sp_richness_	non-native_cover	native_per_grass	litter_grd_cov_	patch_size_ha_	context	connectivity	site_score	landscape_score	BIOCONDITION_SCORE
1359	11.7.7	remnant	0	5	3	3.5	0	3	12.5	10	5	3	5	4	4	0.56	0.65	0.58
1361	11.5.1	remnant	15	5	5	5	0	3	12.5	10	5	5	5	4	0	0.82	0.45	0.75
1363	11.5.1	remnant	15	5	3	5	0	3	15	3	5	5	5	4	0	0.74	0.45	0.68
1366	11.9.6	remnant	5	5	5	5	0	5	10	10	1	3	7	5	5	0.61	0.85	0.66
1368	11.9.6	regrowth	0	3	3	5	0	5	10	10	5	5	7	5	5	0.58	0.85	0.63
1370	11.3.2b	remnant	NS	NS	0	NS	NS	NS	NS	10	NS	NS	2	2	0	NS	0.20	NS
1372	11.3.2b	regrowth	NS	NS	3	NS	NS	NS	NS	10	NS	NS	5	4	0	NS	0.45	NS
1374	11.3.2b	remnant	NS	NS	5	NS	NS	NS	NS	10	NS	NS	2	2	0	NS	0.20	NS
1376	11.7.7	remnant	10	5	3	5	0	3	12.5	10	5	3	5	4	2	0.71	0.55	0.68
1394	11.7.7	regrowth	5	3	5	3.5	5	3	17.5	10	5	5	2	2	2	0.78	0.30	0.68

siteid	re	growth_status	tot_num_large_trees_ha	canopy_height	recruitment_canopy_sp_	canopy_cover	shrub_canopy_cover	woody debris_length_ha	native_sp_richness_	non-native_cover	native_per_grass	litter_grd_cov_	patch_size_ha_	context	connectivity	site_score	landscape_score	BIOCONDITION_SCORE
1396	11.9.10	remnant	15	3	5	2.5	5	5	12.5	10	1	5	5	4	4	0.80	0.65	0.77
1819	11.9.7	remnant	5	5	5	2.5	3	5	7.5	10	1	3	5	5	4	0.59	0.70	0.61

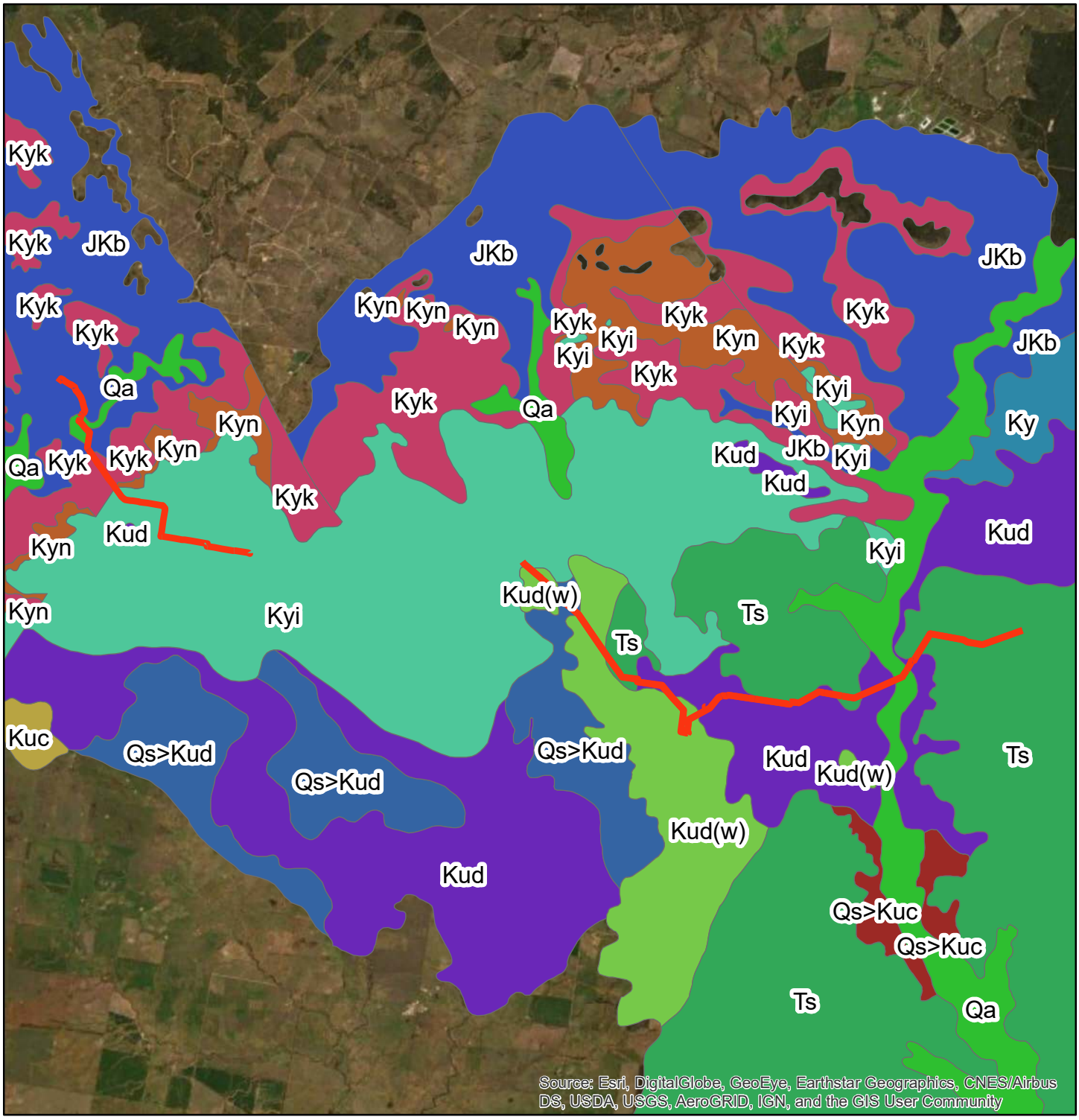
NS = No Score due to lack of published benchmark data

4.0 References

Boobook (2020) Predictive Habitat Mapping Rules for MNES and MSES Fauna Species within the Santos GFD Project Gas Fields. Prepared by Boobook Ecological Consulting for Santos 5/12/2020

DES 2020. *Guide to determining terrestrial habitat quality, Methods for assessing habitat quality under the Queensland Environmental Offsets Policy* Version 1.3 February 2020

Significant Impact Guidelines, (2013). *Matters of National Environmental Significance; Significant Impact Guidelines 1.1 Environment Protection and Biodiversity Conservation Act 1999*. Australian Department of Environment.



0 1 2 4 6 8 Kilometers

N

Legend

- SD22_Flowlines_polyline
- Bungil Formation
- Coreena Member
- Doncaster Member
- Doncaster Member(w)
- Kingull Member
- Minmi Member
- Mooga Sandstone
- Nullawurt Sandstone Member
- Orallo Formation
- Qa-QLD
- Qs-SQ>Coreena Member
- Qs-SQ>Doncaster Member
- Ts-QLD

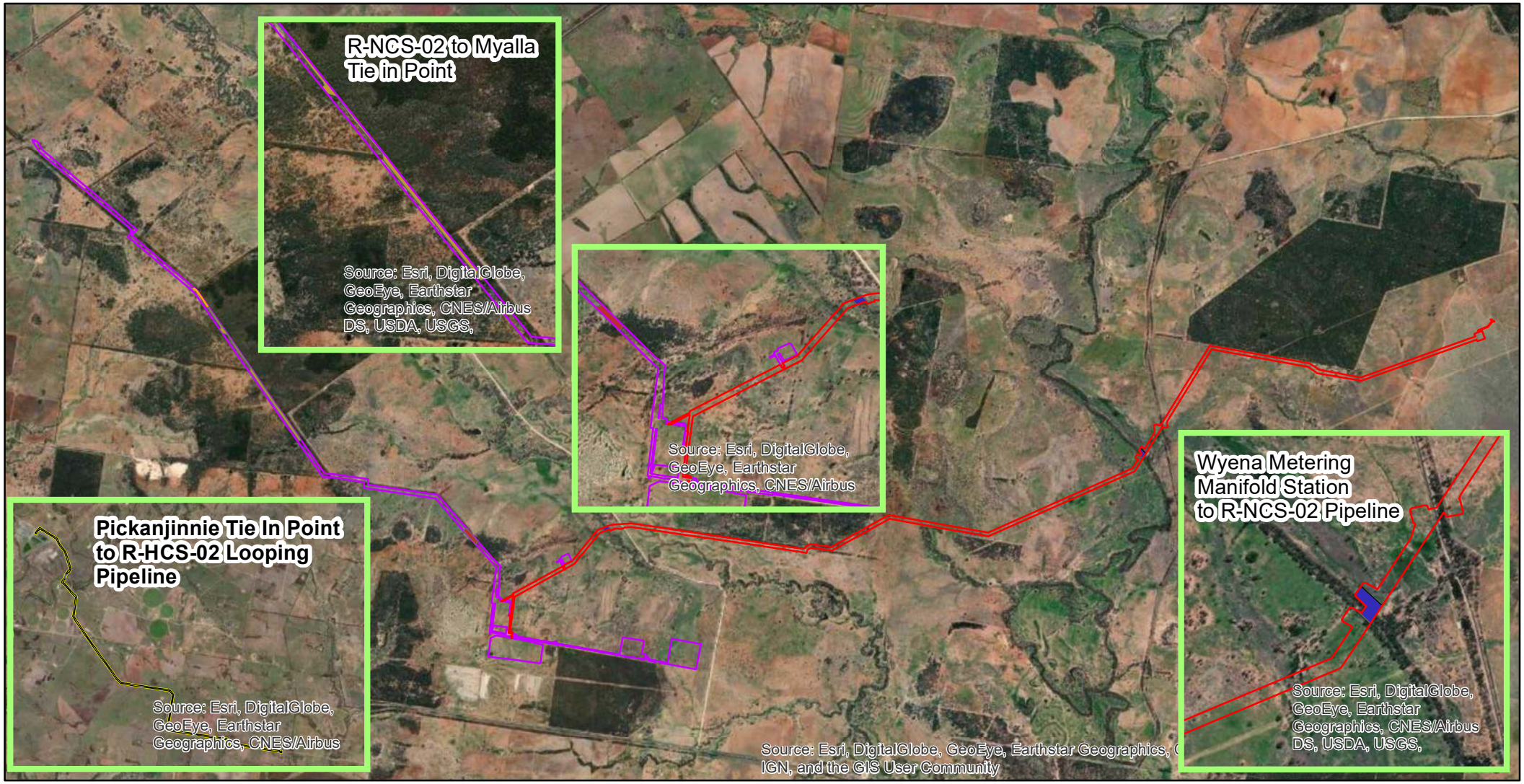
FIGURE 3.1

Detailed Surface Geology

SD22 Spine Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria ECOLOGICAL MANAGEMENT



LEGEND

- 11.7.2
- 11.7.2/11.5.1
- 11.7.6/11.7.2
- 11.9.10
- 11.3.25/11.3.2
- 11.5.5
- non-rem
- Wyena Metering Manifold station to R-NCS-02
- R-NCS_02 to Myalla Tie in Point

FIGURE 3.2

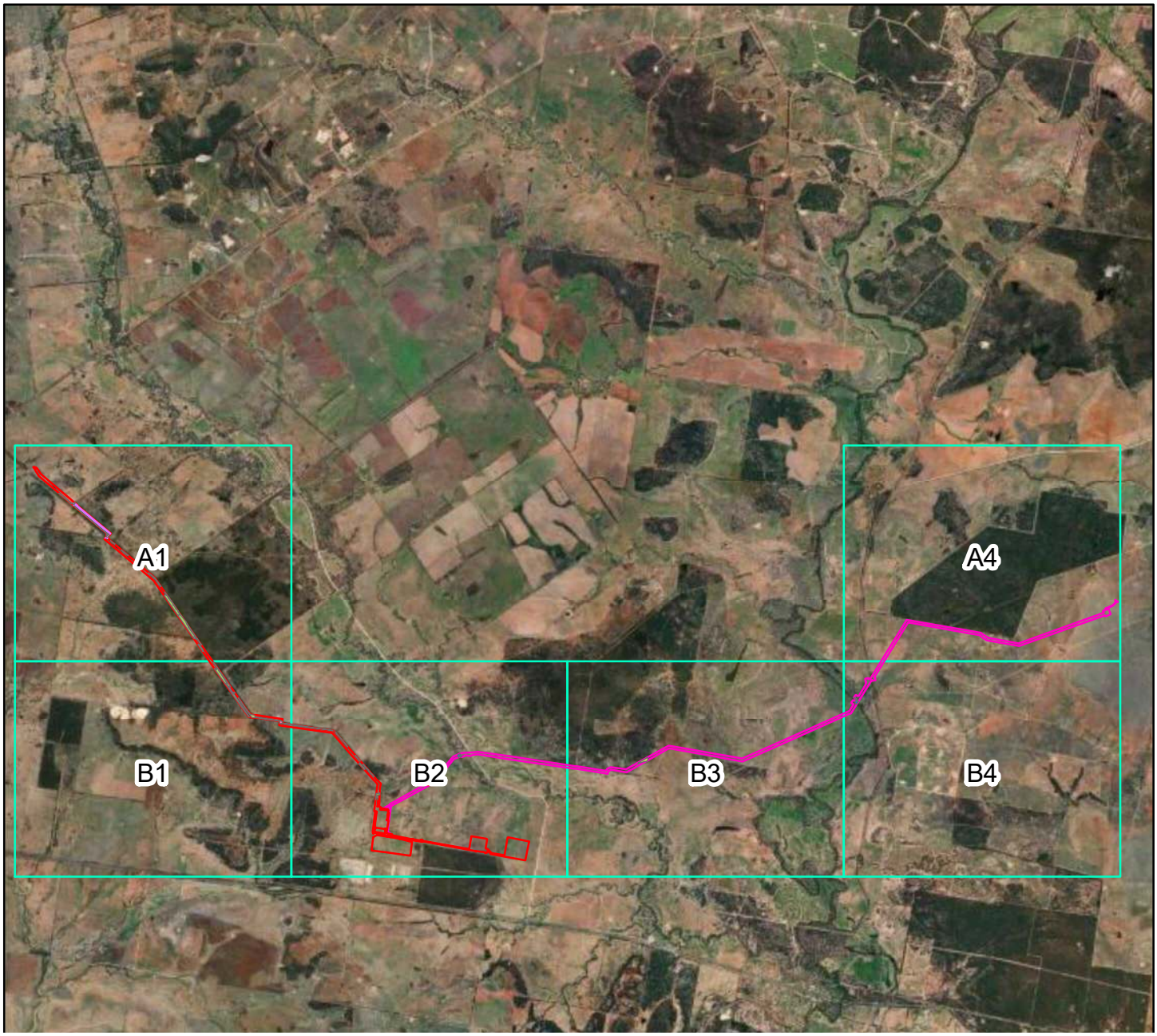
State 1:100,000 Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21

Job No. 0237

terrestria ECOLOGICAL MANAGEMENT



Legend

- 11.3.1 regrowth
- 11.3.2 regrowth
- 11.3.25
- 11.3.2b
- 11.5.1
- 11.5.1 regrowth
- 11.5.5
- 11.5.5 regrowth
- 11.7.2
- 11.7.2 regrowth
- 11.7.6
- 11.7.6 regrowth
- 11.7.7
- 11.7.7 regrowth
- 11.9.10
- 11.9.10 regrowth
- 11.9.5
- 11.9.5 regrowth
- 11.9.6
- 11.9.7
- HVR
- R-NCS-02 to Myalla Tie In Point
- Wyena Metering Manifold Station to R-NCS-02

0 0.5 1 2 3 4 Kilometers

N

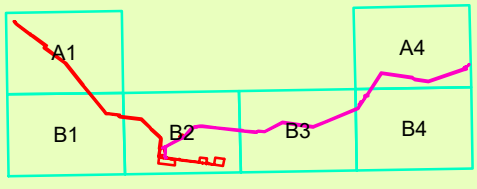


FIGURE 3.3

Ground Truthed Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria ECOLOGICAL MANAGEMENT

Legend

- 11.3.1 regrowth
- 11.3.2 regrowth
- 11.3.25
- 11.3.2b
- 11.5.1
- 11.5.1 regrowth
- 11.5.5
- 11.5.5 regrowth
- 11.7.2
- 11.7.2 regrowth
- 11.7.6
- 11.7.6 regrowth
- 11.7.7
- 11.7.7 regrowth
- 11.9.10
- 11.9.10 regrowth
- 11.9.5
- 11.9.5 regrowth
- 11.9.6
- 11.9.7
- HVR
- R-NCS-02 to Myalla Tie In Point
- Wyena Metering Manifold Station to R-NCS-02

0 0.15 0.3 0.6 0.9 1.2 Kilometers

N

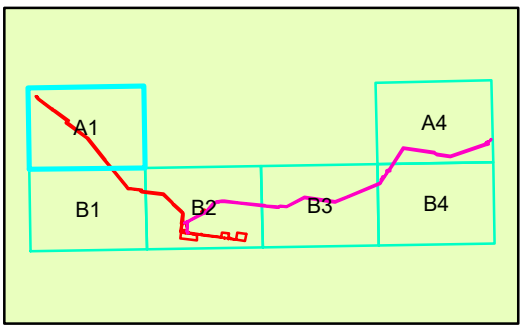


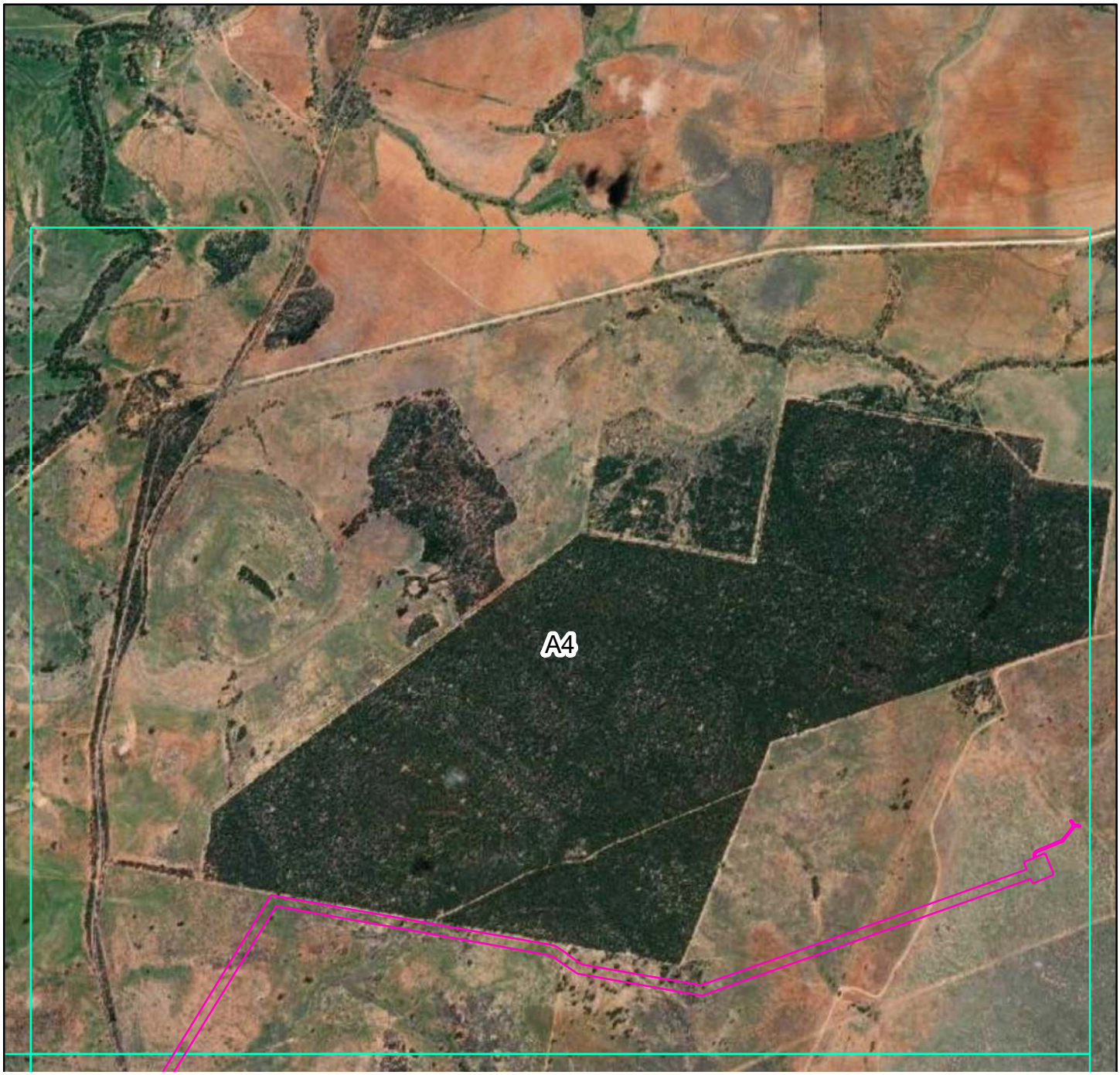
FIGURE 3.3

Ground Truthed Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT



Legend

11.3.1 regrowth	11.5.1 regrowth	11.7.6	11.9.10 regrowth	R-NCS-02 to Myalla Tie In Point
11.3.2 regrowth	11.5.5	11.7.6 regrowth	11.9.5	Wyena Metering Manifold Station to R-NCS-02
11.3.25	11.5.5 regrowth	11.7.7	11.9.5 regrowth	
11.3.2b	11.7.2	11.7.7 regrowth	11.9.6	
11.5.1	11.7.2 regrowth	11.9.10	11.9.7	
			HVR	

0 0.15 0.3 0.6 0.9 1.2 Kilometers

N

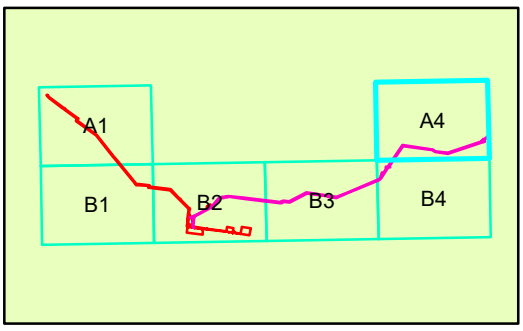


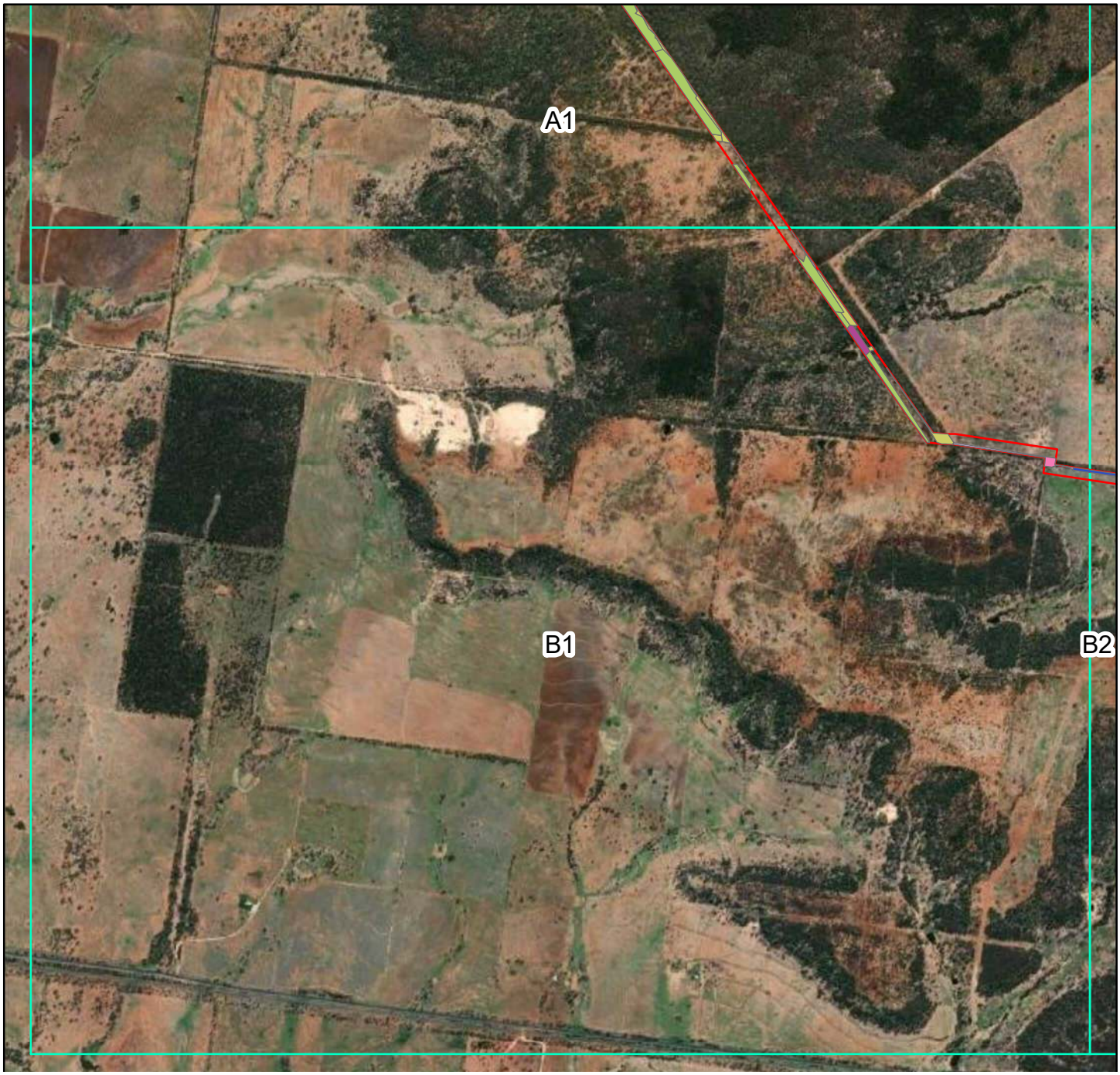
FIGURE 3.3

Ground Truthed Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT



Legend

11.3.1 regrowth	11.5.1 regrowth	11.7.6	11.9.10 regrowth	R-NCS-02 to Myalla Tie In Point
11.3.2 regrowth	11.5.5	11.7.6 regrowth	11.9.5	Wyena Metering Manifold Station to R-NCS-02
11.3.25	11.5.5 regrowth	11.7.7	11.9.5 regrowth	
11.3.2b	11.7.2	11.7.7 regrowth	11.9.6	
11.5.1	11.7.2 regrowth	11.9.10	11.9.7	
			HVR	

0 0.15 0.3 0.6 0.9 1.2 Kilometers

N

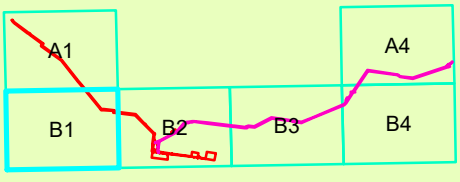


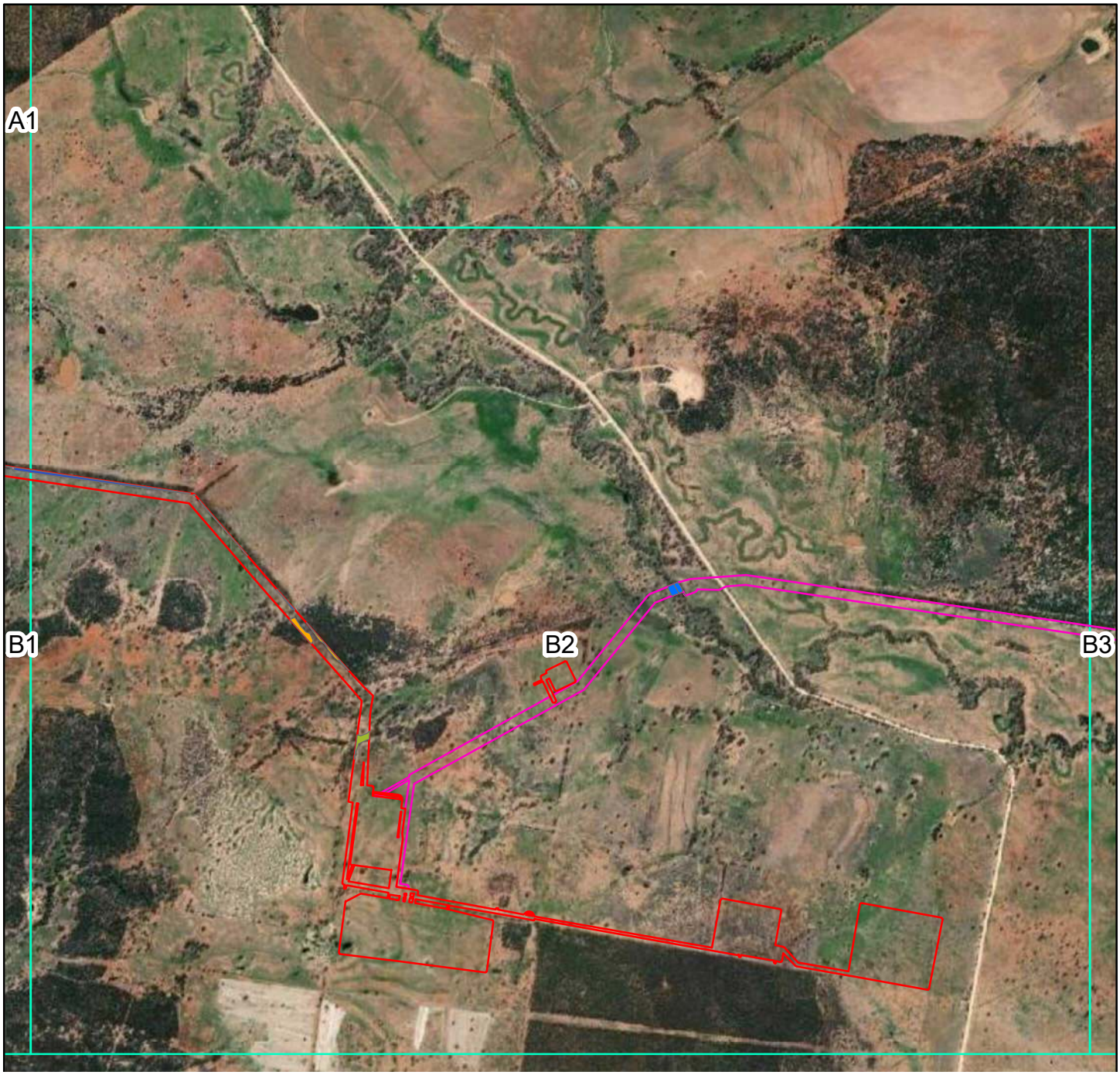
FIGURE 3.3

Ground Truthed Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT



Legend

11.3.1 regrowth	11.5.1 regrowth	11.7.6	11.9.10 regrowth	R-NCS-02 to Myalla Tie In Point
11.3.2 regrowth	11.5.5	11.7.6 regrowth	11.9.5	Wyena Metering Manifold Station to R-NCS-02
11.3.25	11.5.5 regrowth	11.7.7	11.9.5 regrowth	
11.3.2b	11.7.2	11.7.7 regrowth	11.9.6	
11.5.1	11.7.2 regrowth	11.9.10	11.9.7	
			HVR	

0 0.15 0.3 0.6 0.9 1.2 Kilometers

N

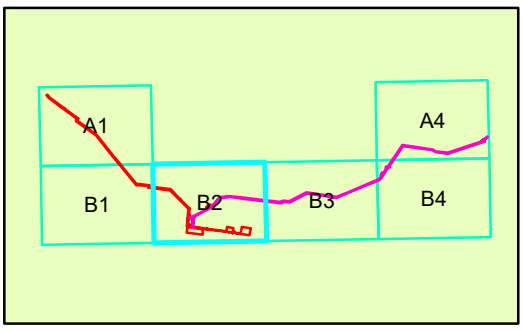


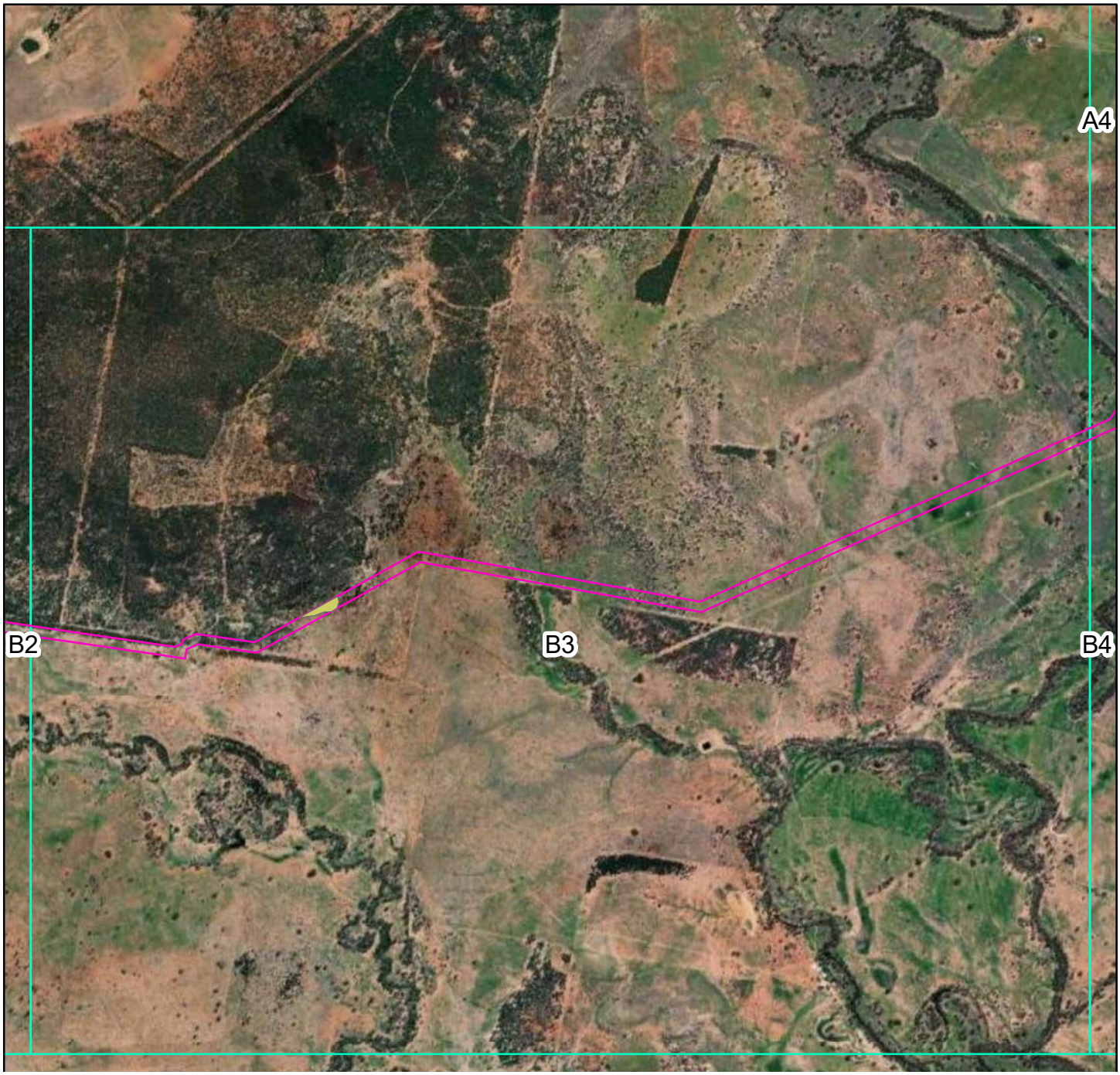
FIGURE 3.3

Ground Truthed Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT



Legend

11.3.1 regrowth	11.5.1 regrowth	11.7.6	11.9.10 regrowth	R-NCS-02 to Myalla Tie In Point
11.3.2 regrowth	11.5.5	11.7.6 regrowth	11.9.5	Wyena Metering Manifold Station to R-NCS-02
11.3.25	11.5.5 regrowth	11.7.7	11.9.5 regrowth	
11.3.2b	11.7.2	11.7.7 regrowth	11.9.6	
11.5.1	11.7.2 regrowth	11.9.10	11.9.7	
			HVR	

0 0.15 0.3 0.6 0.9 1.2 Kilometers

N

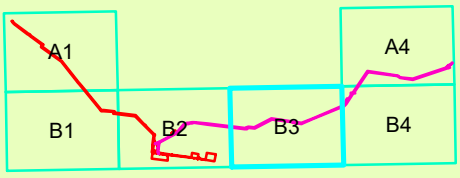


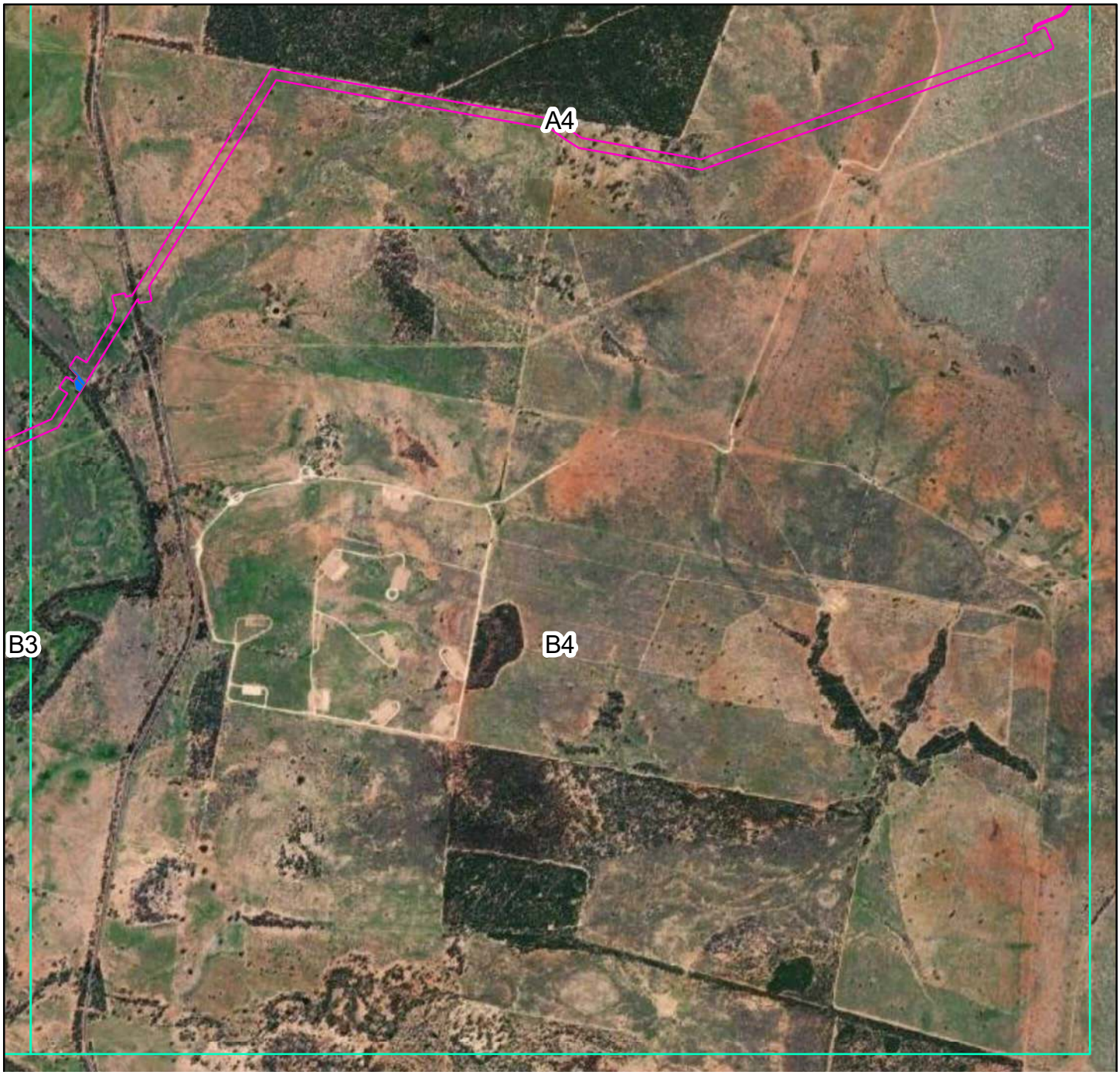
FIGURE 3.3

Ground Truthed Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT



Legend

11.3.1 regrowth	11.5.1 regrowth	11.7.6	11.9.10 regrowth	R-NCS-02 to Myalla Tie In Point
11.3.2 regrowth	11.5.5	11.7.6 regrowth	11.9.5	Wyena Metering Manifold Station to R-NCS-02
11.3.25	11.5.5 regrowth	11.7.7	11.9.5 regrowth	
11.3.2b	11.7.2	11.7.7 regrowth	11.9.6	
11.5.1	11.7.2 regrowth	11.9.10	11.9.7	
			HVR	

0 0.15 0.3 0.6 0.9 1.2 Kilometers

N

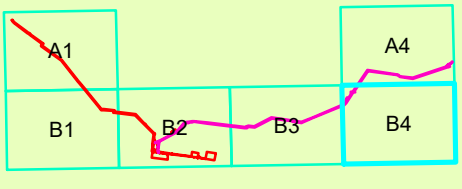


FIGURE 3.3

Ground Truthed Regional Ecosystem Mapping

SD22 Pipeline Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

LEGEND

- SD22_Pipeline_and_Infrastructure_East
- General Habitat
- Generally unsuitable

FIGURE 3.4

South-eastern Long-eared bat Nyctophilus corbeni Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Peta_vola

General Habitat

Generally unsuitable

FIGURE 3.5

Greater Glider
Petauroides volans Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Phas_cine

- Essential Habitat
- General Habitat
- Generally unsuitable

FIGURE 3.6

Koala
Phascolarctos cinereus Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

Kilometers
0 0.4 0.8 1.6 2.4 3.2

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Bota_poic

Generally unsuitable

FIGURE 3.7

Australasian Bittern
Botaurus poiciloptilus Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Cali_ferr

Generally unsuitable

FIGURE 3.8

Curlew Sandpiper
Calidris ferruginea Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Caly_lath

General Habitat

Generally unsuitable

FIGURE 3.9

Glossy Black-Cockatoo
Calyptorhynchus lathami Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

Kilometers
0 0.4 0.8 1.6 2.4 3.2

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Gran_pict

General Habitat

Generally unsuitable

FIGURE 3.10

Painted Honeyeater
Grantiella picta Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Hiru_caud

General Habitat

Generally unsuitable

FIGURE 3.11

White-throated Needletail Hirundapus caudacutus Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Rost_aust

Generally unsuitable

FIGURE 3.12

Australian Painted Snipe
Rostratula australis Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Acan_anta

General Habitat

Generally unsuitable

FIGURE 3.13

Common Death Adder
Acanthophis antarcticus Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Aspi_rams

General Habitat

Generally unsuitable

FIGURE 3.14

Woma
Aspidites ramsayi Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Delm_torq

General Habitat

Generally unsuitable

FIGURE 3.15

Collared Delma
Delma torquata Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Eger_rugo

- Essential Habitat
- General Habitat
- Generally unsuitable

FIGURE 3.16

Yakka Skink
Egernia rugosa Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

SD22_Pipeline_and_Infrastructure_East

General Habitat

Generally unsuitable

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21

Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Hemi_dame

General Habitat

Generally unsuitable

FIGURE 3.18

Grey Snake
Hemiaspis damelii Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Stro_taen

General Habitat

Generally unsuitable

FIGURE 3.19

Golden-tailed Gecko
Strophurus taenicauda Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Tymp_wils

Generally unsuitable

FIGURE 3.20

Roma Earless Dragon
Tympanocryptis wilsoni Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Tymp_wils

Generally unsuitable

FIGURE 3.20

Roma Earless Dragon
Tympanocryptis wilsoni Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Adcl_came

General Habitat

Generally unsuitable

FIGURE 3.22

Brigalow Woodland Snail
Adclarkia cameroni Habitat

SD22 East Pipeline
Ecological Constraints Mapping

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Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Adcl_dula

General Habitat

Generally unsuitable

FIGURE 3.23

Brigalow Woodland Snail
Adclarkia dulacca Habitat

SD22 East Pipeline
Ecological Constraints Mapping

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Job No. 0237

terrestria
ECOLOGICAL MANAGEMENT

0 0.4 0.8 1.6 2.4 3.2 Kilometers

N

LEGEND

SD22_Pipeline_and_Infrastructure_East

Jalm_eubu

General Habitat

Generally unsuitable

FIGURE 3.24

Pale Imperial Hairstreak butterfly Jalmenus eubulus Habitat

SD22 East Pipeline
Ecological Constraints Mapping

Created AD 23/04/21
Job No. 0237

terrestria ECOLOGICAL MANAGEMENT

Appendix A

Locality Protected Matters Report

Australian Government

Department of Agriculture, Water and the Environment

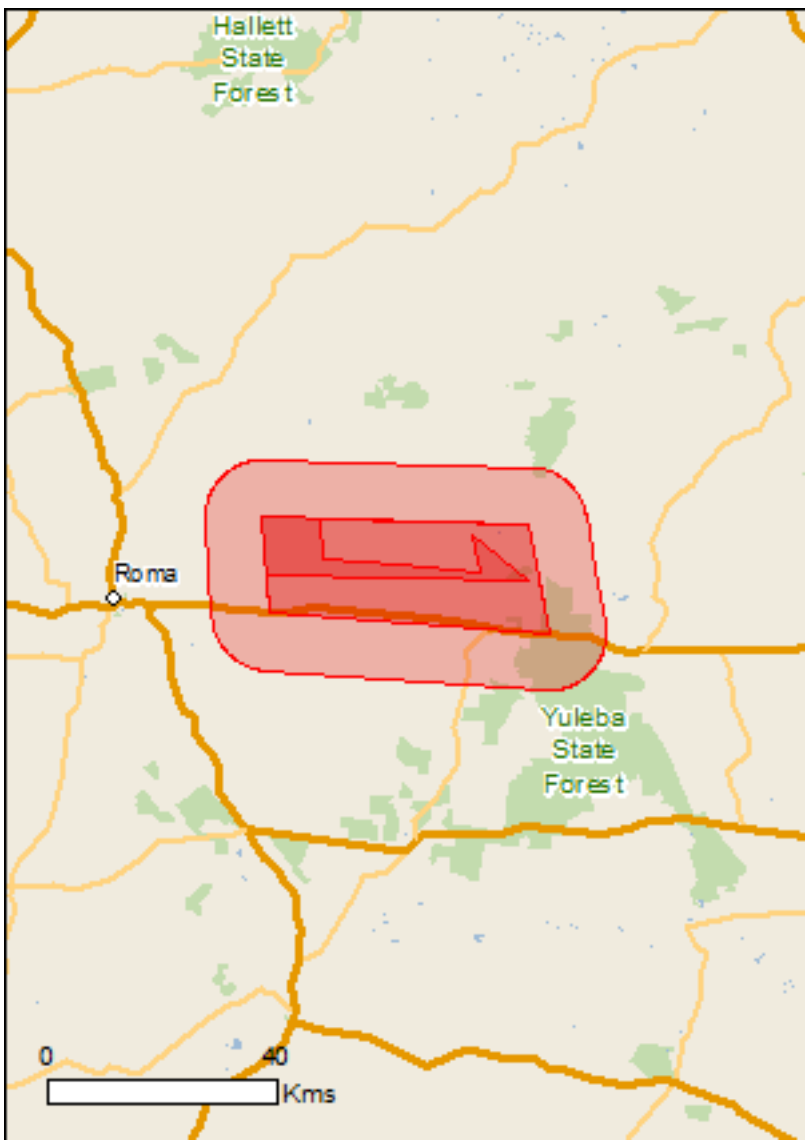
EPBC Act Protected Matters Report

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

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

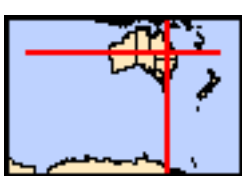
Information is available about Environment Assessments and the EPBC Act including significance guidelines, forms and application process details.

Report created: 16/06/21 12:14:36



Coordinates

Buffer: 10.0Km



Summary

Matters of National Environmental Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	4
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	15
Listed Threatened Species:	24
Listed Migratory Species:	10

Other Matters Protected by the EPBC Act

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

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

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

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	14
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

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

State and Territory Reserves:	None
Regional Forest Agreements:	None
Invasive Species:	22
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar) [Resource Information]

Name	Proximity
Banrock station wetland complex	1100 - 1200km
Narran lake nature reserve	300 - 400km upstream
Riverland	1100 - 1200km
The coorong, and lakes alexandrina and albert wetland	1300 - 1400km

Listed Threatened Ecological Communities [Resource Information]

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

Name	Status	Type of Presence
Brigalow (Acacia harpophylla dominant and co-dominant)	Endangered	Community known to occur within area
Brigalow (Acacia harpophylla dominant and co-dominant)	Endangered	Community known to occur within area
Brigalow (Acacia harpophylla dominant and co-dominant)	Endangered	Community known to occur within area
Coolibah - Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions	Endangered	Community may occur within area
Coolibah - Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions	Endangered	Community may occur within area
Coolibah - Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions	Endangered	Community may occur within area
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community likely to occur within area
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community likely to occur within area
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community likely to occur within area
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	Community likely to occur within area
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	Community likely to occur within area
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	Community likely to occur within area
Weeping Myall Woodlands	Endangered	Community likely to occur within area
Weeping Myall Woodlands	Endangered	Community likely to occur within area
Weeping Myall Woodlands	Endangered	Community likely to occur within area

Listed Threatened Species [Resource Information]

Name	Status	Type of Presence
Birds		
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat likely to occur

Name	Status	Type of Presence within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat may occur within area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat likely to occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Fish		
Maccullochella peelii Murray Cod [66633]	Vulnerable	Species or species habitat may occur within area
Mammals		
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area
Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat may occur within area
Nyctophilus corbeni Corben's Long-eared Bat, South-eastern Long-eared Bat [83395]	Vulnerable	Species or species habitat likely to occur within area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT) Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Vulnerable	Species or species habitat known to occur within area
Other		
Adclarkia dulacca Dulacca Woodland Snail [83885]	Endangered	Species or species habitat likely to occur within area
Plants		
Arthraxon hispidus Hairy-joint Grass [9338]	Vulnerable	Species or species habitat may occur within area
Cadellia pentastylis Ooline [9828]	Vulnerable	Species or species habitat likely to occur within area
Dichanthium setosum bluegrass [14159]	Vulnerable	Species or species habitat likely to occur within area
Homopholis belsonii Belson's Panic [2406]	Vulnerable	Species or species habitat may occur within area
Lepidium monoplocoides Winged Pepper-cress [9190]	Endangered	Species or species habitat may occur within area
Swainsona murrayana Slender Darling-pea, Slender Swainson, Murray Swainson-pea [6765]	Vulnerable	Species or species habitat likely to occur within area

Name	Status	Type of Presence
Tylophora linearis [55231]	Endangered	Species or species habitat may occur within area
Xerothamnella herbacea [4146]	Endangered	Species or species habitat may occur within area
Reptiles		
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area
Egernia rugosa Yakka Skink [1420]	Vulnerable	Species or species habitat known to occur within area
Furina dunmalli Dunmall's Snake [59254]	Vulnerable	Species or species habitat known to occur within area

Listed Migratory Species [Resource Information]

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

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat may occur within area
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [Resource Information]		
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Birds		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat likely to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Chrysococcyx osculans Black-eared Cuckoo [705]		Species or species habitat known to occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat may occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area

Extra Information

Invasive Species [Resource Information]

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

Name	Status	Type of Presence
Birds		
Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
Frogs		
Rhinella marina Cane Toad [83218]		Species or species habitat known to occur within area
Mammals		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Lepus capensis Brown Hare [127]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur

Name	Status	Type of Presence within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Sus scrofa Pig [6]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Acacia nilotica subsp. indica Prickly Acacia [6196]		Species or species habitat may occur within area
Lantana camara Lantana, Common Lantana, Kamara Lantana, Large-leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]		Species or species habitat likely to occur within area
Lycium ferocissimum African Boxthorn, Boxthorn [19235]		Species or species habitat likely to occur within area
Opuntia spp. Prickly Pears [82753]		Species or species habitat likely to occur within area
Parkinsonia aculeata Parkinsonia, Jerusalem Thorn, Jelly Bean Tree, Horse Bean [12301]		Species or species habitat likely to occur within area
Parthenium hysterophorus Parthenium Weed, Bitter Weed, Carrot Grass, False Ragweed [19566]		Species or species habitat likely to occur within area
Prosopis spp. Mesquite, Algaroba [68407]		Species or species habitat likely to occur within area
Senecio madagascariensis Fireweed, Madagascar Ragwort, Madagascar Groundsel [2624]		Species or species habitat likely to occur within area
Reptiles		
Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area

Caveat

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

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

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

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

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

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

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

- migratory and
- marine

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

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

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

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

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

Coordinates

-26.454 149.02,-26.59 149.03,-26.618 149.47,-26.465 149.44,-26.454 149.02

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

-Office of Environment and Heritage, New South Wales
-Department of Environment and Primary Industries, Victoria
-Department of Primary Industries, Parks, Water and Environment, Tasmania
-Department of Environment, Water and Natural Resources, South Australia
-Department of Land and Resource Management, Northern Territory
-Department of Environmental and Heritage Protection, Queensland
-Department of Parks and Wildlife, Western Australia
-Environment and Planning Directorate, ACT
-Birdlife Australia
-Australian Bird and Bat Banding Scheme
-Australian National Wildlife Collection
-Natural history museums of Australia
-Museum Victoria
-Australian Museum
-South Australian Museum
-Queensland Museum
-Online Zoological Collections of Australian Museums
-Queensland Herbarium
-National Herbarium of NSW
-Royal Botanic Gardens and National Herbarium of Victoria
-Tasmanian Herbarium
-State Herbarium of South Australia
-Northern Territory Herbarium
-Western Australian Herbarium
-Australian National Herbarium, Canberra
-University of New England
-Ocean Biogeographic Information System
-Australian Government, Department of Defence
Forestry Corporation, NSW
-Geoscience Australia
-CSIRO
-Australian Tropical Herbarium, Cairns
-eBird Australia
-Australian Government – Australian Antarctic Data Centre
-Museum and Art Gallery of the Northern Territory
-Australian Government National Environmental Science Program
-Australian Institute of Marine Science
-Reef Life Survey Australia
-American Museum of Natural History
-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania
-Tasmanian Museum and Art Gallery, Hobart, Tasmania
-Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the Contact Us page.

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Appendix B

Locality WildNet Database Search

Queensland Government

Wildlife Online Extract

Search Criteria: Species List for a Specified Point
Species: All
Type: All
Status: All
Records: All
Date: All
Latitude: -26.519
Longitude: 149.192
Distance: 30
Email: adaniel@terrestria.com.au
Date submitted: Wednesday 16 Jun 2021 12:15:36
Date extracted: Wednesday 16 Jun 2021 12:20:02

The number of records retrieved = 782

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Bufonidae	*Rhinella marina*	cane toad	Y			3
animals	amphibians	Hylidae	*Litoria nasuta*	striped rocketfrog		C		1
animals	amphibians	Hylidae	*Litoria peronii*	emerald spotted treefrog		C		16
animals	amphibians	Hylidae	*Litoria rubella*	ruddy treefrog		C		36
animals	amphibians	Hylidae	*Litoria caerulea*	common green treefrog		C		273
animals	amphibians	Hylidae	*Cyclorana brevipes*	superb collared frog		C		15
animals	amphibians	Hylidae	*Cyclorana cultripes*	grassland collared frog		C		1
animals	amphibians	Hylidae	*Cyclorana verrucosa*	rough collared frog		C		16
animals	amphibians	Hylidae	*Litoria latopalmata*	broad palmed rocketfrog		C		19
animals	amphibians	Hylidae	*Cyclorana alboguttata*	greenstripe frog		C		81/1
animals	amphibians	Hylidae	*Cyclorana novaehollandiae*	eastern snapping frog		C		19
animals	amphibians	Hylidae	*Cyclorana sp.*			C		6/1
animals	amphibians	Hylidae	*Litoria fallax*	eastern sedgefrog		C		4
animals	amphibians	Limnodynastidae	*Limnodynastes salmini*	salmon striped frog		C		109
animals	amphibians	Limnodynastidae	*Limnodynastes tasmaniensis*	spotted grassfrog		C		180
animals	amphibians	Limnodynastidae	*Limnodynastes fletcheri*	barking frog		C		8
animals	amphibians	Limnodynastidae	*Notaden bennettii*	holy cross frog		C		3
animals	amphibians	Limnodynastidae	*Limnodynastes peronii*	striped marshfrog		C		1
animals	amphibians	Limnodynastidae	*Limnodynastes terraereginae*	scarlet sided pobblebonk		C		5
animals	amphibians	Limnodynastidae	*Neobatrachus sudellae*	meeowing frog		C		1
animals	amphibians	Limnodynastidae	*Platyplectrum ornatum*	ornate burrowing frog		C		30
animals	amphibians	Myobatrachidae	*Crinia parinsignifera*	beeping froglet		C		1
animals	amphibians	Myobatrachidae	*Uperoleia rugosa*	chubby gungan		C		29
animals	amphibians	Myobatrachidae	*Uperoleia sp.*			C		1
animals	birds	Acanthizidae	*Acanthiza uropygialis*	chestnut-rumped thornbill		C		4
animals	birds	Acanthizidae	*Acanthiza reguloides*	buff-rumped thornbill		C		2
animals	birds	Acanthizidae	*Acanthiza apicalis*	inland thornbill		C		20
animals	birds	Acanthizidae	*Gerygone olivacea*	white-throated gerygone		C		8
animals	birds	Acanthizidae	*Acanthiza nana*	yellow thornbill		C		10
animals	birds	Acanthizidae	*Smicrornis brevirostris*	weebill		C		30
animals	birds	Acanthizidae	*Pyrrholaemus sagittatus*	speckled warbler		C		12
animals	birds	Acanthizidae	*Acanthiza chrysorrhoa*	yellow-rumped thornbill		C		7
animals	birds	Accipitridae	*Elanus axillaris*	black-shouldered kite		C		2
animals	birds	Accipitridae	*Circus assimilis*	spotted harrier		C		1
animals	birds	Accipitridae	*Haliastur sphenurus*	whistling kite		C		9
animals	birds	Accipitridae	*Aviceda subcristata*	Pacific baza		C		2
animals	birds	Accipitridae	*Accipiter fasciatus*	brown goshawk		C		2
animals	birds	Accipitridae	*Lophoictinia isura*	square-tailed kite		C		2
animals	birds	Accipitridae	*Accipiter cirrocephalus*	collared sparrowhawk		C		1
animals	birds	Accipitridae	*Haliaeetus leucogaster*	white-bellied sea-eagle		C		1
animals	birds	Accipitridae	*Aquila audax*	wedge-tailed eagle		C		10
animals	birds	Accipitridae	*Milvus migrans*	black kite		C		2
animals	birds	Aegothelidae	*Aegotheles cristatus*	Australian owlet-nightjar		C		6
animals	birds	Alaudidae	*Mirafra javanica*	Horsfield's bushlark		C		2
animals	birds	Anatidae	*Cygnus atratus*	black swan		C		1
animals	birds	Anatidae	*Biziura lobata*	musk duck		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Anatidae	*Anas gracilis*	grey teal		C		4
animals	birds	Anatidae	*Dendrocygna eytoni*	plumed whistling-duck		C		2
animals	birds	Anatidae	*Chenonetta jubata*	Australian wood duck		C		3
animals	birds	Anatidae	*Anas superciliosa*	Pacific black duck		C		14
animals	birds	Anhingidae	*Anhinga novaehollandiae*	Australasian darter		C		4
animals	birds	Ardeidae	*Egretta novaehollandiae*	white-faced heron		C		3
animals	birds	Ardeidae	*Ardea alba modesta*	eastern great egret		C		5
animals	birds	Ardeidae	*Ardea intermedia*	intermediate egret		C		1
animals	birds	Ardeidae	*Ardea pacifica*	white-necked heron		C		6
animals	birds	Ardeidae	*Nycticorax caledonicus*	nankeen night-heron		C		2
animals	birds	Artamidae	*Cracticus torquatus*	grey butcherbird		C		41
animals	birds	Artamidae	*Strepera graculina*	pied currawong		C		15
animals	birds	Artamidae	*Gymnorhina tibicen*	Australian magpie		C		29
animals	birds	Artamidae	*Artamus personatus*	masked woodswallow		C		2
animals	birds	Artamidae	*Artamus cyanopterus*	dusky woodswallow		C		1
animals	birds	Artamidae	*Cracticus nigrogularis*	pied butcherbird		C		22
animals	birds	Artamidae	*Artamus superciliosus*	white-browed woodswallow		C		4
animals	birds	Artamidae	*Artamus leucorynchus*	white-breasted woodswallow		C		6
animals	birds	Artamidae	*Artamus cinereus*	black-faced woodswallow		C		1
animals	birds	Cacatuidae	*Cacatua galerita*	sulphur-crested cockatoo		C		11
animals	birds	Cacatuidae	*Cacatua sanguinea*	little corella		C		2
animals	birds	Cacatuidae	*Eolophus roseicapilla*	galah		C		34
animals	birds	Cacatuidae	*Nymphicus hollandicus*	cockatiel		C		13
animals	birds	Cacatuidae	*Calyptorhynchus lathami lathami*	glossy black-cockatoo (eastern)		V		2
animals	birds	Campephagidae	*Coracina maxima*	ground cuckoo-shrike		C		3
animals	birds	Campephagidae	*Lalage tricolor*	white-winged triller		C		2
animals	birds	Campephagidae	*Coracina novaehollandiae*	black-faced cuckoo-shrike		C		6
animals	birds	Campephagidae	*Coracina tenuirostris*	cicadabird		C		2
animals	birds	Casuariidae	*Dromaius novaehollandiae*	emu		C		4
animals	birds	Charadriidae	*Vanellus miles novaehollandiae*	masked lapwing (southern subspecies)		C		4
animals	birds	Charadriidae	*Vanellus tricolor*	banded lapwing		C		2
animals	birds	Charadriidae	*Vanellus miles*	masked lapwing		C		4
animals	birds	Ciconiidae	*Ephippiorhynchus asiaticus*	black-necked stork		C		1
animals	birds	Climacteridae	*Cormobates leucophaea*	white-throated treecreeper		C		1
animals	birds	Columbidae	*Geopelia humeralis*	bar-shouldered dove		C		3
animals	birds	Columbidae	*Ocyphaps lophotes*	crested pigeon		C		23
animals	birds	Columbidae	*Columba livia*	rock dove	Y			2
animals	birds	Columbidae	*Geopelia cuneata*	diamond dove		C		1
animals	birds	Columbidae	*Phaps chalcoptera*	common bronzewing		C		3
animals	birds	Columbidae	*Geopelia striata*	peaceful dove		C		5
animals	birds	Coraciidae	*Eurystomus orientalis*	dollarbird		C		3
animals	birds	Corcoracidae	*Corcorax melanorhamphos*	white-winged chough		C		4
animals	birds	Corcoracidae	*Struthidea cinerea*	apostlebird		C		22
animals	birds	Corvidae	*Corvus sp.*			C		2
animals	birds	Corvidae	*Corvus orru*	Torresian crow		C		33
animals	birds	Corvidae	*Corvus coronoides*	Australian raven		C		23

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Cuculidae	*Eudynamys orientalis*	eastern koel		C		1
animals	birds	Cuculidae	*Cacomantis variolosus*	brush cuckoo		C		1
animals	birds	Cuculidae	*Centropus phasianinus*	pheasant coucal		C		3
animals	birds	Cuculidae	*Cacomantis pallidus*	pallid cuckoo		C		1
animals	birds	Cuculidae	*Chalcites basalis*	Horsfield's bronze-cuckoo		C		2
animals	birds	Cuculidae	*Chalcites lucidus*	shining bronze-cuckoo		C		2
animals	birds	Cuculidae	*Chalcites osculans*	black-eared cuckoo		C		1
animals	birds	Cuculidae	*Cacomantis flabelliformis*	fan-tailed cuckoo		C		2
animals	birds	Estrildidae	*Neochmia modesta*	plum-headed finch		C		3
animals	birds	Estrildidae	*Taeniopygia guttata*	zebra finch		C		2
animals	birds	Estrildidae	*Taeniopygia bichenovii*	double-barred finch		C		3
animals	birds	Eurostopodidae	*Eurostopodus mystacalis*	white-throated nightjar		C		1
animals	birds	Eurostopodidae	*Eurostopodus argus*	spotted nightjar		C		1
animals	birds	Falconidae	*Falco berigora*	brown falcon		C		4
animals	birds	Falconidae	*Falco longipennis*	Australian hobby		C		1
animals	birds	Falconidae	*Falco cenchroides*	nankeen kestrel		C		10
animals	birds	Falconidae	*Falco subniger*	black falcon		C		1
animals	birds	Gruidae	*Antigone rubicunda*	brolga		C		2
animals	birds	Halcyonidae	*Dacelo novaeguineae*	laughing kookaburra		C		19
animals	birds	Halcyonidae	*Todiramphus sanctus*	sacred kingfisher		C		3
animals	birds	Hirundinidae	*Petrochelidon ariel*	fairy martin		C		3
animals	birds	Hirundinidae	*Hirundo neoxena*	welcome swallow		C		4
animals	birds	Hirundinidae	*Petrochelidon nigricans*	tree martin		C		1
animals	birds	Maluridae	*Malurus melanocephalus*	red-backed fairy-wren		C		2
animals	birds	Maluridae	*Malurus leucopterus*	white-winged fairy-wren		C		2
animals	birds	Maluridae	*Malurus cyaneus*	superb fairy-wren		C		5
animals	birds	Maluridae	*Malurus lamberti sensu lato*	variegated fairy-wren		C		8
animals	birds	Megaluridae	*Cincloramphus cruralis*	brown songlark		C		3
animals	birds	Megaluridae	*Cincloramphus mathewsi*	rufous songlark		C		6
animals	birds	Megapodiidae	*Alectura lathami*	Australian brush-turkey		C		1
animals	birds	Meliphagidae	*Melithreptus gularis*	black-chinned honeyeater		C		1
animals	birds	Meliphagidae	*Philemon corniculatus*	noisy friarbird		C		7
animals	birds	Meliphagidae	*Ptilotula penicillata*	white-plumed honeyeater		C		2
animals	birds	Meliphagidae	*Manorina melanocephala*	noisy miner		C		41
animals	birds	Meliphagidae	*Philemon citreogularis*	little friarbird		C		6
animals	birds	Meliphagidae	*Acanthagenys rufogularis*	spiny-cheeked honeyeater		C		5
animals	birds	Meliphagidae	*Melithreptus albogularis*	white-throated honeyeater		C		1
animals	birds	Meliphagidae	*Plectorhyncha lanceolata*	striped honeyeater		C		13
animals	birds	Meliphagidae	*Melithreptus brevirostris*	brown-headed honeyeater		C		1
animals	birds	Meliphagidae	*Lichmera indistincta*	brown honeyeater		C		2
animals	birds	Meliphagidae	*Epthianura tricolor*	crimson chat		C		2
animals	birds	Meliphagidae	*Phylidonyris niger*	white-cheeked honeyeater		C		1
animals	birds	Meliphagidae	*Manorina flavigula*	yellow-throated miner		C		6
animals	birds	Meliphagidae	*Entomyzon cyanotis*	blue-faced honeyeater		C		9
animals	birds	Meliphagidae	*Caligavis chrysops*	yellow-faced honeyeater		C		3
animals	birds	Meliphagidae	*Meliphaga lewinii*	Lewin's honeyeater		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Meliphagidae	*Nesoptilotis leucotis*	white-eared honeyeater		C		5
animals	birds	Meropidae	*Merops ornatus*	rainbow bee-eater		C		4
animals	birds	Monarchidae	*Grallina cyanoleuca*	magpie-lark		C		39
animals	birds	Monarchidae	*Myiagra inquieta*	restless flycatcher		C		3
animals	birds	Monarchidae	*Myiagra rubecula*	leaden flycatcher		C		3
animals	birds	Motacillidae	*Anthus novaeseelandiae*	Australasian pipit		C		4
animals	birds	Nectariniidae	*Dicaeum hirundinaceum*	mistletoebird		C		8
animals	birds	Neosittidae	*Daphoenositta chrysoptera*	varied sittella		C		6
animals	birds	Oriolidae	*Oriolus sagittatus*	olive-backed oriole		C		7
animals	birds	Oriolidae	*Sphecotheres vieilloti*	Australasian figbird		C		1
animals	birds	Otididae	*Ardeotis australis*	Australian bustard		C		8
animals	birds	Pachycephalidae	*Pachycephala rufiventris*	rufous whistler		C		17
animals	birds	Pachycephalidae	*Colluricincla harmonica*	grey shrike-thrush		C		11
animals	birds	Pardalotidae	*Pardalotus striatus*	striated pardalote		C		25
animals	birds	Pelecanidae	*Pelecanus conspicillatus*	Australian pelican		C		3
animals	birds	Petroicidae	*Microeca fascinans*	jacky winter		C		8
animals	birds	Petroicidae	*Eopsaltria australis*	eastern yellow robin		C		8
animals	birds	Petroicidae	*Petroica goodenovii*	red-capped robin		C		7
animals	birds	Phalacrocoracidae	*Phalacrocorax carbo*	great cormorant		C		1
animals	birds	Phalacrocoracidae	*Microcarbo melanoleucos*	little pied cormorant		C		4
animals	birds	Phalacrocoracidae	*Phalacrocorax sulcirostris*	little black cormorant		C		5
animals	birds	Phasianidae	*Coturnix pectoralis*	stubble quail		C		1
animals	birds	Phasianidae	*Coturnix ypsilophora*	brown quail		C		2
animals	birds	Podargidae	*Podargus strigoides*	tawny frogmouth		C		3
animals	birds	Podicipedidae	*Tachybaptus novaehollandiae*	Australasian grebe		C		4
animals	birds	Pomatostomidae	*Pomatostomus superciliosus*	white-browed babbler		C		1
animals	birds	Pomatostomidae	*Pomatostomus temporalis*	grey-crowned babbler		C		30
animals	birds	Psittacidae	*Platycercus adscitus*	pale-headed rosella		C		17
animals	birds	Psittacidae	*Psephotus haematonotus*	red-rumped parrot		C		7
animals	birds	Psittacidae	*Northiella haematogaster*	blue bonnet		C		1
animals	birds	Psittacidae	*Barnardius zonarius*	Australian ringneck		C		2
animals	birds	Psittacidae	*Aprosmictus erythropterus*	red-winged parrot		C		14
animals	birds	Psittacidae	*Trichoglossus moluccanus*	rainbow lorikeet		C		4
animals	birds	Psittacidae	*Trichoglossus chlorolepidotus*	scaly-breasted lorikeet		C		5
animals	birds	Psittacidae	*Alisterus scapularis*	Australian king-parrot		C		1
animals	birds	Ptilonorhynchidae	*Ptilonorhynchus maculatus*	spotted bowerbird		C		2
animals	birds	Rallidae	*Gallinula tenebrosa*	dusky moorhen		C		1
animals	birds	Recurvirostridae	*Himantopus himantopus*	black-winged stilt		C		1
animals	birds	Rhipiduridae	*Rhipidura leucophrys*	willie wagtail		C		18
animals	birds	Rhipiduridae	*Rhipidura albiscapa*	grey fantail		C		18
animals	birds	Sturnidae	*Sturnus vulgaris*	common starling	Y			1
animals	birds	Threskiornithidae	*Platalea regia*	royal spoonbill		C		2
animals	birds	Threskiornithidae	*Threskiornis molucca*	Australian white ibis		C		4
animals	birds	Threskiornithidae	*Threskiornis spinicollis*	straw-necked ibis		C		2
animals	birds	Threskiornithidae	*Platalea flavipes*	yellow-billed spoonbill		C		3
animals	birds	Timaliidae	*Zosterops lateralis*	silvereye		C		2

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	birds	Turnicidae	*Turnix sp.*			C		1/1
animals	insects	Pieridae	*Catopsilia pomona*	lemon migrant				1
animals	mammals	Bovidae	*Bos taurus*	European cattle	Y			2
animals	mammals	Dasyuridae	*Sminthopsis crassicaudata*	fat-tailed dunnart		C		15
animals	mammals	Dasyuridae	*Planigale maculata*	common planigale		C		8
animals	mammals	Dasyuridae	*Sminthopsis murina*	common dunnart		C		10
animals	mammals	Dasyuridae	*Sminthopsis macroura*	stripe-faced dunnart		C		42
animals	mammals	Dasyuridae	*Planigale tenuirostris*	narrow-nosed planigale		C		11
animals	mammals	Emballonuridae	*Saccolaimus flaviventris*	yellow-bellied sheathtail bat		C		2
animals	mammals	Leporidae	*Oryctolagus cuniculus*	rabbit	Y			4
animals	mammals	Leporidae	*Lepus europaeus*	European brown hare	Y			5
animals	mammals	Macropodidae	*Wallabia bicolor*	swamp wallaby		C		5
animals	mammals	Macropodidae	*Macropus giganteus*	eastern grey kangaroo		C		9
animals	mammals	Macropodidae	*Osphranter robustus*	common wallaroo		C		1
animals	mammals	Macropodidae	*Notamacropus dorsalis*	black-striped wallaby		C		1
animals	mammals	Macropodidae	*Notamacropus rufogriseus*	red-necked wallaby		C		7
animals	mammals	Molossidae	*Austronomus australis*	white-striped freetail bat		C		3
animals	mammals	Molossidae	*Mormopterus petersi*	inland free-tailed bat		C		1
animals	mammals	Muridae	*Mus musculus*	house mouse	Y			27
animals	mammals	Muridae	*Rattus tunneyi*	pale field-rat		C		1
animals	mammals	Muridae	*Pseudomys delicatulus*	delicate mouse		C		1
animals	mammals	Muridae	*Pseudomys gracilicaudatus*	eastern chestnut mouse		C		1
animals	mammals	Petauridae	*Petaurus notatus*	Krefft's glider		C		3
animals	mammals	Phalangeridae	*Trichosurus vulpecula*	common brushtail possum		C		14
animals	mammals	Phascolarctidae	*Phascolarctos cinereus*	koala		V	V	2
animals	mammals	Pteropodidae	*Pteropus scapulatus*	little red flying-fox		C		2
animals	mammals	Tachyglossidae	*Tachyglossus aculeatus*	short-beaked echidna		SL		17
animals	mammals	Vespertilionidae	*Vespadelus vulturnus*	little forest bat		C		1
animals	mammals	Vespertilionidae	*Nyctophilus sp.*			C		1
animals	mammals	Vespertilionidae	*Chalinolobus gouldii*	Gould's wattled bat		C		2
animals	mammals	Vespertilionidae	*Chalinolobus picatus*	little pied bat		C		1
animals	mammals	Vespertilionidae	*Scotorepens balstoni*	inland broad-nosed bat		C		2
animals	ray-finned fishes	Clupeidae	*Nematalosa erebi*	bony bream				8
animals	ray-finned fishes	Cyprinidae	*Carassius auratus*	goldfish	Y			6
animals	ray-finned fishes	Cyprinidae	*Cyprinus carpio*	European carp	Y			3
animals	ray-finned fishes	Eleotridae	*Hypseleotris sp.*					11
animals	ray-finned fishes	Eleotridae	*Hypseleotris species 1*	Midgley's carp gudgeon				1
animals	ray-finned fishes	Eleotridae	*Hypseleotris klunzingeri*	western carp gudgeon				2
animals	ray-finned fishes	Melanotaeniidae	*Melanotaenia fluviatilis*	Murray River rainbowfish				6
animals	ray-finned fishes	Percichthyidae	*Macquaria ambigua*	golden perch				2
animals	ray-finned fishes	Plotosidae	*Tandanus tandanus*	freshwater catfish				1
animals	ray-finned fishes	Poeciliidae	*Gambusia holbrooki*	mosquitofish	Y			8
animals	ray-finned fishes	Retropinnidae	*Retropinna semoni*	Australian smelt				1
animals	ray-finned fishes	Terapontidae	*Leiopotherapon unicolor*	spangled perch				11
animals	reptiles	Agamidae	*Amphibolurus burnsi*	Burns's dragon		C		4
animals	reptiles	Agamidae	*Pogona barbata*	bearded dragon		C		119/2

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	reptiles	Boidae	*Aspidites ramsayi*	woma		NT		11
animals	reptiles	Boidae	*Antaresia maculosa*	spotted python		C		12
animals	reptiles	Boidae	*Morelia spilota*	carpet python		C		7
animals	reptiles	Chelidae	*Emydura macquarii macquarii*	Murray turtle		C		1
animals	reptiles	Chelidae	*Chelodina longicollis*	eastern snake-necked turtle		C		31
animals	reptiles	Colubridae	*Boiga irregularis*	brown tree snake		C		1/1
animals	reptiles	Colubridae	*Dendrelaphis punctulatus*	green tree snake		C		2
animals	reptiles	Diplodactylidae	*Diplodactylus tessellatus*	tessellated gecko		C		19
animals	reptiles	Diplodactylidae	*Lucasium steindachneri*	Steindachner's gecko		C		6/1
animals	reptiles	Diplodactylidae	*Diplodactylus vittatus*	wood gecko		C		4
animals	reptiles	Diplodactylidae	*Strophurus taenicauda*	golden-tailed gecko		NT		14
animals	reptiles	Diplodactylidae	*Oedura monilis sensu lato*	ocellated velvet gecko		C		8
animals	reptiles	Diplodactylidae	*Nebulifera robusta*	robust velvet gecko		C		6
animals	reptiles	Diplodactylidae	*Amalosia rhombifer*	zig-zag gecko		C		1
animals	reptiles	Diplodactylidae	*Oedura elegans*	elegant velvet gecko		C		23/2
animals	reptiles	Diplodactylidae	*Rhynchoedura ormsbyi*	eastern beaked gecko		C		3/1
animals	reptiles	Elapidae	*Pseudechis porphyriacus*	red-bellied black snake		C		1
animals	reptiles	Elapidae	*Brachyurophis australis*	coral snake		C		4
animals	reptiles	Elapidae	*Acanthophis antarcticus*	common death adder		V		2/1
animals	reptiles	Elapidae	*Cryptophis nigrescens*	eastern small-eyed snake		C		3
animals	reptiles	Elapidae	*Pseudechis australis*	king brown snake		C		15
animals	reptiles	Elapidae	*Vermicella annulata*	bandy-bandy		C		3/1
animals	reptiles	Elapidae	*Pseudonaja textilis*	eastern brown snake		C		34
animals	reptiles	Elapidae	*Pseudechis guttatus*	spotted black snake		C		3/1
animals	reptiles	Elapidae	*Demansia psammophis*	yellow-faced whipsnake		C		20
animals	reptiles	Elapidae	*Hoplocephalus bitorquatus*	pale-headed snake		C		7
animals	reptiles	Elapidae	*Suta suta*	myall snake		C		75/1
animals	reptiles	Elapidae	*Suta dwyeri*	Dwyer's snake		C		15/2
animals	reptiles	Elapidae	*Furina diadema*	red-naped snake		C		14/2
animals	reptiles	Elapidae	*Denisonia devisi*	De Vis' banded snake		C		36/3
animals	reptiles	Elapidae	*Cacophis harriettae*	white-crowned snake		C		2/1
animals	reptiles	Elapidae	*Cryptophis boschmai*	Carpentaria whip snake		C		5/1
animals	reptiles	Gekkonidae	*Gehyra dubia*	dubious dtella		C		163/4
animals	reptiles	Gekkonidae	*Heteronotia binoei*	Bynoe's gecko		C		103
animals	reptiles	Gekkonidae	*Gehyra versicolor*			C		8
animals	reptiles	Pygopodidae	*Delma plebeia*	common delma		C		7/1
animals	reptiles	Pygopodidae	*Lialis burtonis*	Burton's legless lizard		C		6/1
animals	reptiles	Pygopodidae	*Delma tincta*	excitable delma		C		2
animals	reptiles	Pygopodidae	*Pygopus schraderi*	eastern hooded scaly-foot		C		5/1
animals	reptiles	Pygopodidae	*Paradelma orientalis*	brigalow scaly-foot		C		10
animals	reptiles	Pygopodidae	*Delma sp.*			C		1
animals	reptiles	Scincidae	*Anomalopus leuckartii*	two-clawed worm-skink		C		12/1
animals	reptiles	Scincidae	*Morethia taeniopleura*	fire-tailed skink		C		2
animals	reptiles	Scincidae	*Pygmaeascincus timlowi*	dwarf litter-skink		C		2
animals	reptiles	Scincidae	*Lerista punctatovittata*	eastern robust slider		C		18/2
animals	reptiles	Scincidae	*Cryptoblepharus pannosus*	ragged snake-eyed skink		C		7/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	reptiles	Scincidae	*Eremiascincus fasciolatus*	narrow-banded sand swimmer		C		6
animals	reptiles	Scincidae	*Carlia pectoralis sensu lato*			C		2
animals	reptiles	Scincidae	*Cryptoblepharus pulcher pulcher*	elegant snake-eyed skink		C		12
animals	reptiles	Scincidae	*Carlia sp.*			C		2
animals	reptiles	Scincidae	*Lerista sp.*			C		1
animals	reptiles	Scincidae	*Ctenotus sp.*			C		1
animals	reptiles	Scincidae	*Egernia rugosa*	yakka skink		V	V	2/1
animals	reptiles	Scincidae	*Lerista timida*	timid slider		C		7/1
animals	reptiles	Scincidae	*Menetia greyii*	common dwarf skink		C		5
animals	reptiles	Scincidae	*Tiliqua rugosa*	shingle-back		C		13
animals	reptiles	Scincidae	*Ctenotus ingrami*	unspotted yellow-sided ctenotus		C		9/1
animals	reptiles	Scincidae	*Lerista fragilis*	eastern mulch slider		C		16
animals	reptiles	Scincidae	*Carlia pectoralis*	open-litter rainbow skink		C		1
animals	reptiles	Scincidae	*Egernia striolata*	tree skink		C		10
animals	reptiles	Scincidae	*Liopholis modesta*	eastern ranges rock-skink		C		2
animals	reptiles	Scincidae	*Ctenotus spaldingi*	straight-browed ctenotus		C		26/1
animals	reptiles	Scincidae	*Tiliqua scincoides*	eastern blue-tongued lizard		C		52
animals	reptiles	Scincidae	*Lygisaurus foliorum*	tree-base litter-skink		C		13
animals	reptiles	Scincidae	*Morethia boulengeri*	south-eastern morethia skink		C		17/1
animals	reptiles	Scincidae	*Ctenotus taeniolatus*	copper-tailed skink		C		3
animals	reptiles	Typhlopidae	*Anilios ligatus*	robust blind snake		C		9/2
animals	reptiles	Typhlopidae	*Anilios affinis*	small-headed blind snake		C		2
animals	reptiles	Typhlopidae	*Anilios wiedii*	brown-snouted blind snake		C		3
animals	reptiles	Typhlopidae	*Anilios proximus*	proximus blind snake		C		2/1
animals	reptiles	Varanidae	*Varanus tristis*	black-tailed monitor		C		11
animals	reptiles	Varanidae	*Varanus gouldii*	sand monitor		C		9/1
animals	reptiles	Varanidae	*Varanus varius*	lace monitor		C		10/1
animals	reptiles	Varanidae	*Varanus panoptes*	yellow-spotted monitor		C		25
animals	uncertain	Indeterminate	*Indeterminate*	Unknown or Code Pending				2
fungi	arthoniomycetes	Chrysothricaceae	*Chrysothrix xanthina*			C		1/1
fungi	eurotiomycetes	Verrucariaceae	*Placidium lacinulatum*			C		2/2
fungi	eurotiomycetes	Verrucariaceae	*Placidium squamulosum*			C		1/1
fungi	eurotiomycetes	Verrucariaceae	*Endocarpon simplicatum*			C		1/1
fungi	lecanoromycetes	Acarosporaceae	*Acarospora citrina*			C		3/3
fungi	lecanoromycetes	Caliciaceae	*Buellia*					1/1
fungi	lecanoromycetes	Caliciaceae	*Buellia spuria var. spuria*			C		2/2
fungi	lecanoromycetes	Caliciaceae	*Amandinea punctata*			C		1/1
fungi	lecanoromycetes	Caliciaceae	*Pyxine subcinerea*			C		3/3
fungi	lecanoromycetes	Caliciaceae	*Buellia epigaella*			C		1/1
fungi	lecanoromycetes	Caliciaceae	*Pyxine petricola*			C		1/1
fungi	lecanoromycetes	Caliciaceae	*Buellia dispersa*			C		1/1
fungi	lecanoromycetes	Cladoniaceae	*Cladia beaugleholei*			C		1/1
fungi	lecanoromycetes	Cladoniaceae	*Cladia muelleri*			C		1/1
fungi	lecanoromycetes	Collemataceae	*Collema coccophorum*			C		2/2
fungi	lecanoromycetes	Graphidaceae	*Diploschistes euganeus*			C		1/1
fungi	lecanoromycetes	Graphidaceae	*Diploschistes sticticus*			C		1/1

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fungi	lecanoromycetes	Graphidaceae	*Diploschistes actinostomus*			C		2/2
fungi	lecanoromycetes	Lecanoraceae	*Lecanora pseudargentata*			C		1/1
fungi	lecanoromycetes	Lecanoraceae	*Lecanora pseudogangaleoides*			C		1/1
fungi	lecanoromycetes	Lecanoraceae	*Lecanora flavidomarginata*			C		1/1
fungi	lecanoromycetes	Lecanoraceae	*Lecanora helva*			C		2/2
fungi	lecanoromycetes	Lecideaceae	*Lecidea ochroleuca*			C		1/1
fungi	lecanoromycetes	Ochrolechiaceae	*Ochrolechia africana*			C		1/1
fungi	lecanoromycetes	Pannariaceae	*Physma ahtianum*			C		2/2
fungi	lecanoromycetes	Parmeliaceae	*Xanthoparmelia consociata*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Austroparmelina subarida*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Punctelia pseudocoralloidea*			C		2/2
fungi	lecanoromycetes	Parmeliaceae	*Austroparmelina conlabrosa*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Xanthoparmelia exuviata*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Xanthoparmelia aridella*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Xanthoparmelia incerta*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Xanthoparmelia hypoconstictica*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Punctelia subflava*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Parmotrema subsumptum*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Parmotrema cristiferum*			C		1/1
fungi	lecanoromycetes	Parmeliaceae	*Parmotrema reticulatum*			C		1/1
fungi	lecanoromycetes	Pertusariaceae	*Pertusaria leucostomoides*			C		1/1
fungi	lecanoromycetes	Pertusariaceae	*Pertusaria planaica*			C		1/1
fungi	lecanoromycetes	Pertusariaceae	*Pertusaria clarkeana*			C		1/1
fungi	lecanoromycetes	Pertusariaceae	*Pertusaria thiospoda*			C		1/1
fungi	lecanoromycetes	Physciaceae	*Rinodina*					1/1
fungi	lecanoromycetes	Physciaceae	*Physcia nubila*			C		1/1
fungi	lecanoromycetes	Physciaceae	*Hyperphyscia pruinosa*			C		2/2
fungi	lecanoromycetes	Physciaceae	*Physcia jackii*			C		1/1
fungi	lecanoromycetes	Physciaceae	*Physcia undulata*			C		1/1
fungi	lecanoromycetes	Physciaceae	*Physcia neonubila*			C		1/1
fungi	lecanoromycetes	Physciaceae	*Rinodina ramboldii*			C		1/1
fungi	lecanoromycetes	Psoraceae	*Psora crystallifera*			C		1/1
fungi	lecanoromycetes	Schaereriaceae	*Schaereria xerophila*			C		1/1
fungi	lecanoromycetes	Teloschistaceae	*Athallia cerinelloides*			C		1/1
fungi	lecanoromycetes	Teloschistaceae	*Caloplaca yarraensis*			C		1/1
fungi	lecanoromycetes	Teloschistaceae	*Caloplaca kaernefeltii*			C		1/1
fungi	lecanoromycetes	Teloschistaceae	*Caloplaca rexfilsonii*			C		1/1
fungi	lecanoromycetes	Teloschistaceae	*Caloplaca montisfracti*			C		1/1
fungi	lecanoromycetes	Tephromelataceae	*Tephromela connivens*			C		1/1
fungi	lichinomycetes	Lichinaceae	*Heppia*					1/1
fungi	lichinomycetes	Lichinaceae	*Heppia lutosa*			C		2/2
fungi	lichinomycetes	Peltulaceae	*Peltula patellata*			C		1/1
plants	land plants	Acanthaceae	*Pseuderanthemum variabile*	pastel flower		C		1/1
plants	land plants	Acanthaceae	*Brunoniella australis*	blue trumpet		C		4
plants	land plants	Acanthaceae	*Dipteracanthus australasicus subsp. corynothecus*			C		2/2
plants	land plants	Acanthaceae	*Rostellularia adscendens var. adscendens*			C		2

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plants	land plants	Aizoaceae	*Tetragonia tetragonoides*	New Zealand spinach		C		1/1
plants	land plants	Amaranthaceae	*Nyssanthes erecta*			C		3/2
plants	land plants	Amaranthaceae	*Alternanthera nana*	hairy joyweed		C		1/1
plants	land plants	Amaranthaceae	*Ptilotus semilanatus*			C		2/1
plants	land plants	Amaranthaceae	*Gomphrena celosioides*	gomphrena weed	Y			1
plants	land plants	Apiaceae	*Actinotus gibbonsii*	dwarf flannel flower		C		1/1
plants	land plants	Apocynaceae	*Leichhardtia viridiflora subsp. viridiflora*			C		1/1
plants	land plants	Apocynaceae	*Parsonsia eucalyptophylla*	gargaloo		C		3/3
plants	land plants	Apocynaceae	*Parsonsia lanceolata*	northern silkpod		C		2/2
plants	land plants	Apocynaceae	*Alstonia constricta*	bitterbark		C		1
plants	land plants	Apocynaceae	*Orbea variegata*		Y			1/1
plants	land plants	Araliaceae	*Astrotricha biddulphiana*			C		1/1
plants	land plants	Asphodelaceae	*Aloe maculata*		Y			2/2
plants	land plants	Asteraceae	*Calotis lappulacea*	yellow burr daisy		C		1
plants	land plants	Asteraceae	*Erigeron canadensis*		Y			2/2
plants	land plants	Asteraceae	*Minuria integerrima*	smooth minuria		C		1/1
plants	land plants	Asteraceae	*Erigeron bonariensis*		Y			1/1
plants	land plants	Asteraceae	*Gamochaeta antillana*		Y			1/1
plants	land plants	Asteraceae	*Hypochaeris radicata*	catsear	Y			2/2
plants	land plants	Asteraceae	*Leiocarpa brevicompta*			C		2/2
plants	land plants	Asteraceae	*Podolepis longipedata*	tall copper-wire daisy		C		1/1
plants	land plants	Asteraceae	*Senecio brigalowensis*			C		3/3
plants	land plants	Asteraceae	*Pycnosorus chrysanthus*	golden billy buttons		C		2/2
plants	land plants	Asteraceae	*Senecio quadridentatus*	cotton fireweed		C		1/1
plants	land plants	Asteraceae	*Sigesbeckia orientalis*	Indian weed		C		1
plants	land plants	Asteraceae	*Ozothamnus cassinioides*			C		1/1
plants	land plants	Asteraceae	*Ozothamnus diotophyllus*			C		3/3
plants	land plants	Asteraceae	*Chrysocephalum apiculatum*	yellow buttons		C		2/1
plants	land plants	Asteraceae	*Pseudognaphalium luteoalbum*	Jersey cudweed		C		1/1
plants	land plants	Asteraceae	*Olearia canescens subsp. discolor*			C		1/1
plants	land plants	Asteraceae	*Vittadinia dissecta var. dissecta*			C		1/1
plants	land plants	Asteraceae	*Coronidium oxylepis subsp. lanatum*			C		2/2
plants	land plants	Asteraceae	*Olearia canescens subsp. canescens*			C		1/1
plants	land plants	Asteraceae	*Rhodanthe diffusa subsp. leucactina*			C		1/1
plants	land plants	Asteraceae	*Brachyscome whitei subsp. lophoptera*			C		1/1
plants	land plants	Asteraceae	*Leiocarpa semicalva subsp. tenuifolia*			C		2/2
plants	land plants	Asteraceae	*Xerochrysum bracteatum subsp. (Port Keats C.Dunlop+ 6459)*			C		1/1
plants	land plants	Asteraceae	*Calotis cuneifolia*	burr daisy		C		2/2
plants	land plants	Asteraceae	*Picris barbarorum*			V		1/1
plants	land plants	Asteraceae	*Camptacra barbata*			C		1/1
plants	land plants	Asteraceae	*Bidens pilosa*		Y			1
plants	land plants	Asteraceae	*Rhodanthe moschata*			C		1/1
plants	land plants	Asteraceae	*Eclipta platyglossa*			C		1/1
plants	land plants	Boraginaceae	*Cynoglossum australe*			C		1/1
plants	land plants	Brassicaceae	*Rorippa eustylis*			C		1/1

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plants	land plants	Brassicaceae	*Cardamine hirsuta*	common bittercress	Y			1/1
plants	land plants	Brassicaceae	*Stenopetalum nutans*			C		2/2
plants	land plants	Brassicaceae	*Lepidium*					1/1
plants	land plants	Brassicaceae	*Arabidella eremigena*			C		3/3
plants	land plants	Brassicaceae	*Lepidium fasciculatum*	fascicled peppercress		C		1/1
plants	land plants	Brassicaceae	*Stenopetalum lineare*			C		1/1
plants	land plants	Byttneriaceae	*Seringia collina*			C		1/1
plants	land plants	Byttneriaceae	*Commersonia pedleyi*			C		3/3
plants	land plants	Byttneriaceae	*Seringia corollata*			C		1/1
plants	land plants	Byttneriaceae	*Seringia hookeriana*			C		2/2
plants	land plants	Cactaceae	*Opuntia stricta*		Y			4
plants	land plants	Cactaceae	*Opuntia sulphurea*		Y			2/2
plants	land plants	Cactaceae	*Opuntia tomentosa*	velvety tree pear	Y			5/1
plants	land plants	Caesalpiniaceae	*Senna circinnata*			C		1/1
plants	land plants	Caesalpiniaceae	*Senna sophera var. (40Mile Scrub J.R.Clarkson+ 6908)*			C		1/1
plants	land plants	Caesalpiniaceae	*Senna artemisioides subsp. artemisioides*			C		1/1
plants	land plants	Caesalpiniaceae	*Petalostylis labicheoides*			C		1/1
plants	land plants	Caesalpiniaceae	*Erythrostemon gilliesii*		Y			1/1
plants	land plants	Caesalpiniaceae	*Senna coronilloides*			C		1/1
plants	land plants	Caesalpiniaceae	*Chamaecrista nomame*			C		1/1
plants	land plants	Caesalpiniaceae	*Senna pleurocarpa*			C		1/1
plants	land plants	Caesalpiniaceae	*Senna occidentalis*	coffee senna	Y			1/1
plants	land plants	Caesalpiniaceae	*Senna planitiicola*			C		1/1
plants	land plants	Campanulaceae	*Wahlenbergia graniticola*	granite bluebell		C		1
plants	land plants	Campanulaceae	*Wahlenbergia gracilis*	sprawling bluebell		C		1/1
plants	land plants	Campanulaceae	*Lobelia concolor*			C		1/1
plants	land plants	Capparaceae	*Capparis loranthifolia*			C		1
plants	land plants	Capparaceae	*Capparis mitchellii*			C		1
plants	land plants	Caryophyllaceae	*Gypsophila australis*			C		1/1
plants	land plants	Casuarinaceae	*Allocasuarina luehmannii*	bull oak		C		5
plants	land plants	Chenopodiaceae	*Enchylaena tomentosa var. tomentosa*			C		2/1
plants	land plants	Chenopodiaceae	*Sclerolaena muricata var. semiglabra*			C		2/2
plants	land plants	Chenopodiaceae	*Chenopodium desertorum subsp. anidiophyllum*			C		2/2
plants	land plants	Chenopodiaceae	*Einadia hastata*			C		1/1
plants	land plants	Chenopodiaceae	*Dysphania valida*			C		1/1
plants	land plants	Chenopodiaceae	*Maireana coronata*			C		1/1
plants	land plants	Chenopodiaceae	*Salsola australis*			C		3/1
plants	land plants	Chenopodiaceae	*Sclerolaena birchii*	galvanised burr		C		2/1
plants	land plants	Chenopodiaceae	*Maireana microphylla*			C		3/2
plants	land plants	Chenopodiaceae	*Sclerolaena convexula*			C		2/2
plants	land plants	Chenopodiaceae	*Sclerolaena diacantha*	grey copper burr		C		1/1
plants	land plants	Chenopodiaceae	*Maireana enchylaenoides*			C		2/2
plants	land plants	Chenopodiaceae	*Sclerolaena tetracuspis*	brigalow burr		C		1/1
plants	land plants	Chenopodiaceae	*Einadia nutans subsp. nutans*			C		2/1
plants	land plants	Chenopodiaceae	*Einadia nutans subsp. linifolia*			C		2

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Chenopodiaceae	*Sclerolaena bicornis var. horrida*			C		2/2
plants	land plants	Chenopodiaceae	*Einadia trigonos subsp. stellulata*			C		1/1
plants	land plants	Commelinaceae	*Aneilema sclerocarpum*			C		1/1
plants	land plants	Commelinaceae	*Aneilema acuminatum*			C		1/1
plants	land plants	Commelinaceae	*Commelina diffusa*	wandering jew		C		3/2
plants	land plants	Convolvulaceae	*Evolvulus alsinoides*			C		1/1
plants	land plants	Convolvulaceae	*Evolvulus alsinoides var. decumbens*			C		2/2
plants	land plants	Crassulaceae	*Bryophyllum x houghtonii*		Y			2
plants	land plants	Crassulaceae	*Bryophyllum delagoense*		Y			1/1
plants	land plants	Cucurbitaceae	*Cucumis melo*			C		1/1
plants	land plants	Cucurbitaceae	*Sicyos australis*	star cucumber		C		1/1
plants	land plants	Cupressaceae	*Callitris glaucophylla*	white cypress pine		C		53
plants	land plants	Cyperaceae	*Eleocharis plana*	ribbed spikerush		C		1/1
plants	land plants	Cyperaceae	*Cyperus dactylotes*			C		1/1
plants	land plants	Cyperaceae	*Eleocharis pallens*	pale spikerush		C		1/1
plants	land plants	Cyperaceae	*Schoenus centralis*			C		1/1
plants	land plants	Cyperaceae	*Scleria sphacelata*			C		2/2
plants	land plants	Cyperaceae	*Bulbostylis barbata*			C		1/1
plants	land plants	Cyperaceae	*Cyperus leptocarpus*			C		1/1
plants	land plants	Cyperaceae	*Cyperus perangustus*			C		1/1
plants	land plants	Cyperaceae	*Cyperus alterniflorus*			C		1/1
plants	land plants	Cyperaceae	*Cyperus sanguinolentus*			C		1/1
plants	land plants	Cyperaceae	*Fimbristylis dichotoma*	common fringe-rush		C		1
plants	land plants	Cyperaceae	*Eleocharis cylindrostachys*			C		1/1
plants	land plants	Cyperaceae	*Cyperus gunnii subsp. gunnii*			C		1/1
plants	land plants	Cyperaceae	*Cyperus betchei subsp. betchei*			C		1/1
plants	land plants	Cyperaceae	*Cyperus gracilis*			C		3/1
plants	land plants	Cyperaceae	*Schoenus kennyi*			C		1/1
plants	land plants	Cyperaceae	*Cyperus fulvus*			C		1
plants	land plants	Cyperaceae	*Cyperus iria*			C		1/1
plants	land plants	Cyperaceae	*Cyperus*					2
plants	land plants	Cyperaceae	*Cyperus castaneus*			C		1/1
plants	land plants	Cyperaceae	*Cyperus concinnus*			C		1/1
plants	land plants	Cyperaceae	*Abildgaardia ovata*			C		1
plants	land plants	Dilleniaceae	*Hibbertia sp. (Barakula V.Hando 122)*			C		1/1
plants	land plants	Droseraceae	*Drosera lunata*			C		2/2
plants	land plants	Droseraceae	*Drosera finlaysoniana*			C		1/1
plants	land plants	Elatinaceae	*Elatine gratioloides*	waterwort		C		1/1
plants	land plants	Ericaceae	*Styphelia mitchellii*			C		4/4
plants	land plants	Euphorbiaceae	*Croton phebalioides*	narrow-leaved croton		C		2/2
plants	land plants	Euphorbiaceae	*Euphorbia dallachyana*			C		1
plants	land plants	Euphorbiaceae	*Euphorbia papillifolia var. papillifolia*			C		1/1
plants	land plants	Euphorbiaceae	*Bertya oleifolia*			C		3/3
plants	land plants	Euphorbiaceae	*Acalypha eremorum*	soft acalypha		C		1/1
plants	land plants	Fabaceae	*Glycine*					2/2
plants	land plants	Fabaceae	*Tephrosia sp. (Miriam Vale E.J.Thompson+ MIR33)*			C		1/1

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plants	land plants	Fabaceae	*Glycine tabacina*	glycine pea		C		3/1
plants	land plants	Fabaceae	*Mirbelia pungens*			C		1/1
plants	land plants	Fabaceae	*Desmodium varians*	slender tick trefoil		C		3/1
plants	land plants	Fabaceae	*Rhynchosia minima*			C		1
plants	land plants	Fabaceae	*Swainsona luteola*	dwarf darling pea		C		1/1
plants	land plants	Fabaceae	*Glycine stenophita*			C		1/1
plants	land plants	Fabaceae	*Glycine tomentella*	woolly glycine		C		1
plants	land plants	Fabaceae	*Glycine microphylla*			C		1/1
plants	land plants	Fabaceae	*Indigofera brevidens*			C		1/1
plants	land plants	Fabaceae	*Desmodium brachypodum*	large ticktrefoil		C		1
plants	land plants	Fabaceae	*Desmodium campylocaulon*			C		1/1
plants	land plants	Fabaceae	*Templetonia stenophylla*	leafy templetonia		C		1/1
plants	land plants	Fabaceae	*Medicago minima var. minima*		Y			2/1
plants	land plants	Fabaceae	*Rhynchosia minima var. minima*			C		2/1
plants	land plants	Fabaceae	*Glycine clandestina var. sericea*			C		1
plants	land plants	Fabaceae	*Rhynchosia minima var. australis*			C		1
plants	land plants	Fabaceae	*Vigna lanceolata var. lanceolata*			C		2/2
plants	land plants	Fabaceae	*Medicago laciniata var. laciniata*		Y			2/2
plants	land plants	Fabaceae	*Zornia dyctiocarpa var. filifolia*			C		1/1
plants	land plants	Fabaceae	*Zornia muelleriana subsp. muelleriana*			C		4/4
plants	land plants	Fabaceae	*Crotalaria dissitiflora subsp. dissitiflora*			C		1/1
plants	land plants	Fabaceae	*Hovea longipes*	brush hovea		C		3/3
plants	land plants	Goodeniaceae	*Goodenia glabra*			C		1/1
plants	land plants	Goodeniaceae	*Goodenia delicata*			C		2/2
plants	land plants	Goodeniaceae	*Brunonia australis*	blue pincushion		C		1/1
plants	land plants	Goodeniaceae	*Scaevola spinescens*	prickly fan flower		C		1/1
plants	land plants	Goodeniaceae	*Goodenia rotundifolia*			C		2/2
plants	land plants	Gyrostemonaceae	*Codonocarpus attenuatus*			C		1/1
plants	land plants	Haloragaceae	*Gonocarpus urceolatus*			C		3/3
plants	land plants	Haloragaceae	*Haloragis heterophylla*	rough raspweed		C		1/1
plants	land plants	Hydrocharitaceae	*Ottelia ovalifolia subsp. ovalifolia*			C		1/1
plants	land plants	Juncaceae	*Juncus usitatus*			C		2/2
plants	land plants	Juncaceae	*Juncus aridicola*	tussock rush		C		2/2
plants	land plants	Juncaceae	*Juncus subglaucus*			C		2/2
plants	land plants	Juncaginaceae	*Cycnogeton multifructus*			C		1/1
plants	land plants	Lamiaceae	*Stachys arvensis*	stagger weed	Y			3/3
plants	land plants	Lamiaceae	*Teucrium junceum*			C		2/1
plants	land plants	Lamiaceae	*Marrubium vulgare*	white horehound	Y			1/1
plants	land plants	Lamiaceae	*Teucrium daucoides*			C		3/3
plants	land plants	Lamiaceae	*Prostanthera sp. (Baking Board V.Hando 135)*			C		2/2
plants	land plants	Lamiaceae	*Prostanthera ringens*			C		2/2
plants	land plants	Lamiaceae	*Prostanthera parvifolia*			C		2/2
plants	land plants	Lamiaceae	*Prostanthera lithospermoides*			C		1/1
plants	land plants	Lamiaceae	*Teucrium puberulum*			C		2/2
plants	land plants	Laxmanniaceae	*Lomandra multiflora subsp. multiflora*			C		3/1
plants	land plants	Laxmanniaceae	*Lomandra leucocephala subsp. leucocephala*			C		1/1

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plants	land plants	Laxmanniaceae	*Lomandra filiformis subsp. filiformis*			C		1/1
plants	land plants	Laxmanniaceae	*Lomandra filiformis*			C		1/1
plants	land plants	Laxmanniaceae	*Laxmannia gracilis*	slender wire lily		C		1/1
plants	land plants	Laxmanniaceae	*Laxmannia compacta*			C		1/1
plants	land plants	Loganiaceae	*Mitrasacme paludosa*			C		1/1
plants	land plants	Loranthaceae	*Lysiana exocarpi subsp. tenuis*			C		1/1
plants	land plants	Loranthaceae	*Dendrophthoe glabrescens*			C		2/2
plants	land plants	Loranthaceae	*Lysiana subfalcata*			C		1/1
plants	land plants	Loranthaceae	*Amyema miquelii*			C		3/3
plants	land plants	Lythraceae	*Ammannia multiflora*	jerry-jerry		C		1/1
plants	land plants	Malvaceae	*Sida*					1
plants	land plants	Malvaceae	*Sida laevis*			C		1/1
plants	land plants	Malvaceae	*Sida corrugata*			C		4/4
plants	land plants	Malvaceae	*Sida platycalyx*	lifesaver burr		C		1/1
plants	land plants	Malvaceae	*Hibiscus sturtii*			C		1/1
plants	land plants	Malvaceae	*Malva parviflora*	small-flowered mallow	Y			1/1
plants	land plants	Malvaceae	*Sida hackettiana*			C		1/1
plants	land plants	Malvaceae	*Abutilon oxycarpum*			C		4
plants	land plants	Malvaceae	*Abutilon tubulosum*			C		2/2
plants	land plants	Malvaceae	*Abutilon malvifolium*	bastard marshmallow		C		1/1
plants	land plants	Malvaceae	*Abutilon calliphyllum*	velvet lanternflower		C		1/1
plants	land plants	Malvaceae	*Abutilon oxycarpum var. incanum*			C		2/2
plants	land plants	Malvaceae	*Abutilon oxycarpum var. oxycarpum*			C		4/4
plants	land plants	Malvaceae	*Abutilon tubulosum var. tubulosum*			C		1/1
plants	land plants	Malvaceae	*Abutilon oxycarpum var. subsagittatum*			C		2/2
plants	land plants	Malvaceae	*Malvastrum americanum var. americanum*		Y			3/1
plants	land plants	Malvaceae	*Sida sp. (Musselbrook M.B.Thomas+ MRS437)*			C		1/1
plants	land plants	Marsileaceae	*Marsilea hirsuta*	hairy nardoo		C		1/1
plants	land plants	Mimosaceae	*Acacia leiocalyx subsp. leiocalyx*			C		3/3
plants	land plants	Mimosaceae	*Acacia buxifolia subsp. buxifolia*			C		1
plants	land plants	Mimosaceae	*Neptunia gracilis forma gracilis*			C		1
plants	land plants	Mimosaceae	*Acacia aneura var. major*			C		1/1
plants	land plants	Mimosaceae	*Acacia bancroftiorum*			C		1/1
plants	land plants	Mimosaceae	*Acacia spectabilis*	pilliga wattle		C		3/3
plants	land plants	Mimosaceae	*Acacia sparsiflora*			C		4/3
plants	land plants	Mimosaceae	*Acacia harpophylla*	brigalow		C		1/1
plants	land plants	Mimosaceae	*Acacia polybotrya*	western silver wattle		C		1
plants	land plants	Mimosaceae	*Acacia concurrens*			C		1
plants	land plants	Mimosaceae	*Acacia catenulata*	bendee		C		1/1
plants	land plants	Mimosaceae	*Acacia leiocalyx*			C		1
plants	land plants	Mimosaceae	*Acacia shirleyi*	lancewood		C		1/1
plants	land plants	Mimosaceae	*Acacia salicina*	doolan		C		4/2
plants	land plants	Mimosaceae	*Acacia oswaldii*	miljee		C		1/1
plants	land plants	Mimosaceae	*Acacia conferta*			C		4/4
plants	land plants	Mimosaceae	*Acacia jucunda*			C		2
plants	land plants	Mimosaceae	*Acacia aprepta*	Miles mulga		C		2/2

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Mimosaceae	*Acacia decora*	pretty wattle		C		1/1
plants	land plants	Mimosaceae	*Neptunia*					3/3
plants	land plants	Myrtaceae	*Eucalyptus crebra x Eucalyptus melanophloia*			C		1/1
plants	land plants	Myrtaceae	*Eucalyptus bakeri*	Baker's mallee		C		2/2
plants	land plants	Myrtaceae	*Eucalyptus tereticornis subsp. tereticornis*			C		1/1
plants	land plants	Myrtaceae	*Eucalyptus melanophloia x Eucalyptus populnea*			C		1/1
plants	land plants	Myrtaceae	*Kardomia jucunda*			C		1/1
plants	land plants	Myrtaceae	*Eucalyptus sideroxylon subsp. sideroxylon*			C		1
plants	land plants	Myrtaceae	*Eucalyptus crebra x Eucalyptus populnea*			C		3/3
plants	land plants	Myrtaceae	*Eucalyptus fibrosa subsp. fibrosa*			C		3
plants	land plants	Myrtaceae	*Eucalyptus melanophloia*			C		11
plants	land plants	Myrtaceae	*Backhousia angustifolia*	narrow-leaved backhousia		C		1/1
plants	land plants	Myrtaceae	*Eucalyptus chloroclada*	Baradine red gum		C		4
plants	land plants	Myrtaceae	*Eucalyptus thozetiana*			C		1/1
plants	land plants	Myrtaceae	*Corymbia clarksoniana*			C		2/1
plants	land plants	Myrtaceae	*Micromyrtus sessilis*			C		4/4
plants	land plants	Myrtaceae	*Corymbia tessellaris*	Moreton Bay ash		C		1
plants	land plants	Myrtaceae	*Eucalyptus tenuipes*	narrow-leaved white mahogany		C		2/2
plants	land plants	Myrtaceae	*Eucalyptus populnea*	poplar box		C		7
plants	land plants	Myrtaceae	*Eucalyptus dealbata*	tumble-down red gum		C		2
plants	land plants	Myrtaceae	*Eucalyptus coolabah*	coolabah		C		1/1
plants	land plants	Myrtaceae	*Corymbia intermedia*	pink bloodwood		C		2
plants	land plants	Myrtaceae	*Angophora leiocarpa*	rusty gum		C		4
plants	land plants	Myrtaceae	*Melaleuca uncinata*			C		1/1
plants	land plants	Myrtaceae	*Eucalyptus exserta*	Queensland peppermint		C		3/2
plants	land plants	Myrtaceae	*Eucalyptus crebra*	narrow-leaved red ironbark		C		7/1
plants	land plants	Myrtaceae	*Eucalyptus melanophloia subsp. melanophloia*			C		2/2
plants	land plants	Nyctaginaceae	*Boerhavia pubescens*			C		1/1
plants	land plants	Nyctaginaceae	*Boerhavia dominii*			C		4
plants	land plants	Oleaceae	*Notelaea microcarpa*			C		3/3
plants	land plants	Oleaceae	*Jasminum didymum subsp. racemosum*			C		1/1
plants	land plants	Onagraceae	*Oenothera indecora subsp. bonariensis*		Y			1
plants	land plants	Ophioglossaceae	*Ophioglossum lusitanicum*	adder's tongue		C		1/1
plants	land plants	Orchidaceae	*Cymbidium canaliculatum*			C		7
plants	land plants	Orchidaceae	*Pterostylis*					5/5
plants	land plants	Orobanchaceae	*Buchnera*					1/1
plants	land plants	Papaveraceae	*Papaver somniferum subsp. setigerum*		Y			1/1
plants	land plants	Passifloraceae	*Passiflora aurantia var. aurantia*			C		1/1
plants	land plants	Pedaliaceae	*Josephinia eugeniae*	josephinia burr		C		1/1
plants	land plants	Phrymaceae	*Glossostigma diandrum*			C		1/1
plants	land plants	Phyllanthaceae	*Phyllanthus maderaspatensis*			C		1/1
plants	land plants	Phyllanthaceae	*Bridelia leichhardtii*			C		1/1
plants	land plants	Phyllanthaceae	*Flueggea leucopyrus*			C		1/1
plants	land plants	Phyllanthaceae	*Phyllanthus virgatus*			C		2/1
plants	land plants	Phyllanthaceae	*Phyllanthus gunnii*			C		3/2
plants	land plants	Phyllanthaceae	*Phyllanthus*					1/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Picrodendraceae	*Petalostigma pubescens*	quinine tree		C		1/1
plants	land plants	Pittosporaceae	*Bursaria incana*			C		1/1
plants	land plants	Plantaginaceae	*Stemodia glabella*			C		1/1
plants	land plants	Plantaginaceae	*Veronica plebeia*	trailing speedwell		C		2/2
plants	land plants	Plantaginaceae	*Plantago debilis*	shade plantain		C		1/1
plants	land plants	Poaceae	*Dinebra decipiens var. peacockii*			C		3/1
plants	land plants	Poaceae	*Chloris divaricata var. divaricata*	slender chloris		C		3
plants	land plants	Poaceae	*Urochloa panicoides var. pubescens*		Y			1/1
plants	land plants	Poaceae	*Megathyrsus maximus var. pubiglumis*		Y			1/1
plants	land plants	Poaceae	*Bothriochloa decipiens var. decipiens*			C		4
plants	land plants	Poaceae	*Poa labillardierei var. labillardierei*	tussock grass		C		2/2
plants	land plants	Poaceae	*Aristida jerichoensis var. jerichoensis*			C		1/1
plants	land plants	Poaceae	*Aristida jerichoensis var. subspinulifera*			C		2
plants	land plants	Poaceae	*Panicum queenslandicum var. queenslandicum*			C		3/1
plants	land plants	Poaceae	*Digitaria divaricatissima var. divaricatissima*			C		3/3
plants	land plants	Poaceae	*Eriachne mucronata forma (Alpha C.E.Hubbard 7882)*			C		1/1
plants	land plants	Poaceae	*Perotis rara*	comet grass		C		2/2
plants	land plants	Poaceae	*Eriachne rara*			C		2/2
plants	land plants	Poaceae	*Melinis repens*	red natal grass	Y			1
plants	land plants	Poaceae	*Aristida ramosa*	purple wiregrass		C		4/3
plants	land plants	Poaceae	*Panicum effusum*			C		2/1
plants	land plants	Poaceae	*Eriochloa crebra*	spring grass		C		1/1
plants	land plants	Poaceae	*Themeda avenacea*			C		1/1
plants	land plants	Poaceae	*Themeda triandra*	kangaroo grass		C		5/2
plants	land plants	Poaceae	*Triraphis mollis*	purple plumegrass		C		2/2
plants	land plants	Poaceae	*Urochloa foliosa*			C		1
plants	land plants	Poaceae	*Aristida echinata*			C		2/1
plants	land plants	Poaceae	*Astrebla lappacea*	curly mitchell grass		C		1/1
plants	land plants	Poaceae	*Cenchrus ciliaris*		Y			3
plants	land plants	Poaceae	*Cenchrus setaceus*		Y			15
plants	land plants	Poaceae	*Digitaria diffusa*			C		1/1
plants	land plants	Poaceae	*Eragrostis pilosa*	soft lovegrass	Y			1/1
plants	land plants	Poaceae	*Sporobolus caroli*	fairy grass		C		1
plants	land plants	Poaceae	*Thellungia advena*	coolibah grass		C		3/1
plants	land plants	Poaceae	*Aristida personata*			C		3
plants	land plants	Poaceae	*Chloris ventricosa*	tall chloris		C		2
plants	land plants	Poaceae	*Chrysopogon fallax*			C		2/1
plants	land plants	Poaceae	*Eragrostis brownii*	Brown's lovegrass		C		3/2
plants	land plants	Poaceae	*Eragrostis curvula*		Y			2/2
plants	land plants	Poaceae	*Eragrostis sororia*			C		1/1
plants	land plants	Poaceae	*Eriachne mucronata*			C		1/1
plants	land plants	Poaceae	*Paspalum dilatatum*	paspalum	Y			1
plants	land plants	Poaceae	*Paspalum distichum*	water couch	Y			1/1
plants	land plants	Poaceae	*Digitaria ammophila*	silky umbrella grass		C		1/1
plants	land plants	Poaceae	*Homopholis belsonii*			E	V	1/1
plants	land plants	Poaceae	*Paspalidium gracile*	slender panic		C		3

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Poaceae	*Tragus australianus*	small burr grass		C		3/1
plants	land plants	Poaceae	*Aristida platychaeta*			C		2/2
plants	land plants	Poaceae	*Aristida psammophila*			C		1
plants	land plants	Poaceae	*Cymbopogon refractus*	barbed-wire grass		C		2
plants	land plants	Poaceae	*Enneapogon avenaceus*			C		2
plants	land plants	Poaceae	*Eragrostis lacunaria*	purple lovegrass		C		2/2
plants	land plants	Poaceae	*Sporobolus elongatus*			C		1/1
plants	land plants	Poaceae	*Eragrostis parviflora*	weeping lovegrass		C		1/1
plants	land plants	Poaceae	*Heteropogon contortus*	black speargrass		C		3
plants	land plants	Poaceae	*Iseilema membranaceum*	small flinders grass		C		2/2
plants	land plants	Poaceae	*Sporobolus natalensis*		Y			1/1
plants	land plants	Poaceae	*Aristida caput-medusae*			C		3/2
plants	land plants	Poaceae	*Arundinella nepalensis*	reedgrass		C		2/2
plants	land plants	Poaceae	*Brachyachne convergens*	common native couch		C		1/1
plants	land plants	Poaceae	*Cleistochloa subjuncea*			C		2/2
plants	land plants	Poaceae	*Enneapogon lindleyanus*			C		1
plants	land plants	Poaceae	*Enteropogon acicularis*	curly windmill grass		C		3
plants	land plants	Poaceae	*Eragrostis alveiformis*			C		3
plants	land plants	Poaceae	*Eragrostis cilianensis*		Y			1/1
plants	land plants	Poaceae	*Eragrostis trichophora*		Y			2/2
plants	land plants	Poaceae	*Paspalidium globoideum*	sago grass		C		1/1
plants	land plants	Poaceae	*Setaria paspalidioides*			C		2/2
plants	land plants	Poaceae	*Thyridolepis xerophila*			C		2/2
plants	land plants	Poaceae	*Ancistrachne uncinulata*	hooky grass		C		1
plants	land plants	Poaceae	*Dactyloctenium radulans*	button grass		C		1/1
plants	land plants	Poaceae	*Eragrostis megalosperma*			C		1/1
plants	land plants	Poaceae	*Paspalidium caespitosum*	brigalow grass		C		1/1
plants	land plants	Poaceae	*Rytidosperma bipartitum*			C		2/2
plants	land plants	Poaceae	*Capillipedium spicigerum*	spicytop		C		2/1
plants	land plants	Poaceae	*Paspalidium albovillosum*			C		2/2
plants	land plants	Poaceae	*Walwhalleya subxerophila*			C		1/1
plants	land plants	Poaceae	*Diplachne fusca var. fusca*			C		1/1
plants	land plants	Poaceae	*Eriochloa pseudoacrotricha*			C		4/4
plants	land plants	Poaceae	*Dinebra decipiens var. decipiens*			C		1/1
plants	land plants	Polygalaceae	*Polygala triflora*			C		1/1
plants	land plants	Polygonaceae	*Persicaria decipiens*	slender knotweed		C		1/1
plants	land plants	Portulacaceae	*Portulaca bicolor*			C		1/1
plants	land plants	Portulacaceae	*Portulaca pilosa*		Y			1/1
plants	land plants	Pottiaceae	*Trichostomum brachydontium*			C		1/1
plants	land plants	Pottiaceae	*Syntrichia laevipila*			C		4/4
plants	land plants	Proteaceae	*Grevillea striata*	beefwood		C		3/1
plants	land plants	Proteaceae	*Hakea purpurea*			C		2/2
plants	land plants	Proteaceae	*Hakea lorea subsp. lorea*			C		1/1
plants	land plants	Pteridaceae	*Pteris platyzomopsis*			C		2/2
plants	land plants	Pteridaceae	*Pellaea falcata*			C		1/1
plants	land plants	Pteridaceae	*Cheilanthes distans*	bristly cloak fern		C		1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Ptychomitriaceae	*Ptychomitrium australe*			C		4/4
plants	land plants	Ranunculaceae	*Clematis microphylla*			C		1/1
plants	land plants	Ranunculaceae	*Ranunculus sessiliflorus var. sessiliflorus*			C		1/1
plants	land plants	Rhamnaceae	*Cryptandra armata*			C		1/1
plants	land plants	Rhamnaceae	*Alphitonia excelsa*	soap tree		C		1/1
plants	land plants	Rhamnaceae	*Cryptandra longistaminea*			C		1/1
plants	land plants	Rubiaceae	*Psydrax odorata subsp. australiana*			C		1/1
plants	land plants	Rubiaceae	*Asperula geminifolia*			C		1/1
plants	land plants	Rubiaceae	*Psydrax johnsonii*			C		1/1
plants	land plants	Rubiaceae	*Asperula conferta*			C		1
plants	land plants	Rubiaceae	*Richardia brasiliensis*	white eye	Y			1/1
plants	land plants	Rutaceae	*Geijera parviflora*	wilga		C		6/1
plants	land plants	Rutaceae	*Phebalium nottii*	pink phebalium		C		1/1
plants	land plants	Rutaceae	*Philotheca difformis subsp. difformis*			C		1/1
plants	land plants	Santalaceae	*Anthobolus leptomerioides*			C		1/1
plants	land plants	Sapindaceae	*Alectryon oleifolius subsp. elongatus*			C		1
plants	land plants	Sapindaceae	*Dodonaea triangularis*			C		1/1
plants	land plants	Sapindaceae	*Dodonaea lanceolata var. subsessilifolia*			C		1/1
plants	land plants	Sapindaceae	*Dodonaea stenophylla*			C		1/1
plants	land plants	Sapindaceae	*Dodonaea filifolia*			C		2/2
plants	land plants	Sapindaceae	*Atalaya hemiglauca*			C		3/2
plants	land plants	Sapindaceae	*Dodonaea biloba*			C		2/2
plants	land plants	Sapotaceae	*Planchonella cotinifolia var. pubescens*			C		1/1
plants	land plants	Scrophulariaceae	*Eremophila longifolia*	berrigan		C		1
plants	land plants	Scrophulariaceae	*Eremophila mitchellii*			C		12/2
plants	land plants	Scrophulariaceae	*Myoporum acuminatum*	coastal boobialla		C		1/1
plants	land plants	Scrophulariaceae	*Verbascum virgatum*	twiggy mullein	Y			2/2
plants	land plants	Scrophulariaceae	*Eremophila deserti*			C		5/5
plants	land plants	Solanaceae	*Lycium ferocissimum*	African boxthorn	Y			1/1
plants	land plants	Solanaceae	*Solanum ellipticum*	potato bush		C		2/1
plants	land plants	Solanaceae	*Solanum jucundum*			C		3/3
plants	land plants	Solanaceae	*Solanum esuriale*	quena		C		2/2
plants	land plants	Solanaceae	*Solanum parvifolium subsp. parvifolium*			C		2/2
plants	land plants	Solanaceae	*Physalis lanceifolia*		Y			1/1
plants	land plants	Solanaceae	*Solanum ferocissimum*			C		5/5
plants	land plants	Solanaceae	*Solanum mitchellianum*			C		2/2
plants	land plants	Solanaceae	*Nicotiana megalosiphon subsp. megalosiphon*			C		1/1
plants	land plants	Stackhousiaceae	*Stackhousia viminea*	slender stackhousia		C		1/1
plants	land plants	Thymelaeaceae	*Pimelea trichostachya*	flaxweed		C		4/4
plants	land plants	Thymelaeaceae	*Pimelea microcephala subsp. microcephala*			C		1/1
plants	land plants	Typhaceae	*Typha domingensis*			C		1/1
plants	land plants	Verbenaceae	*Glandularia aristigera*		Y			4/1
plants	land plants	Verbenaceae	*Verbena litoralis var. litoralis*		Y			1/1
plants	land plants	Verbenaceae	*Verbena incompta*		Y			1/1
plants	land plants	Violaceae	*Pigea stellarioides*			C		2/2
plants	land plants	Viscaceae	*Viscum whitei subsp. whitei*			C		1/1

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
plants	land plants	Viscaceae	*Korthalsella rubra subsp. geijericola*			C		3/3
plants	land plants	Zygophyllaceae	*Zygophyllum apiculatum*	gall weed		C		1/1

CODES

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

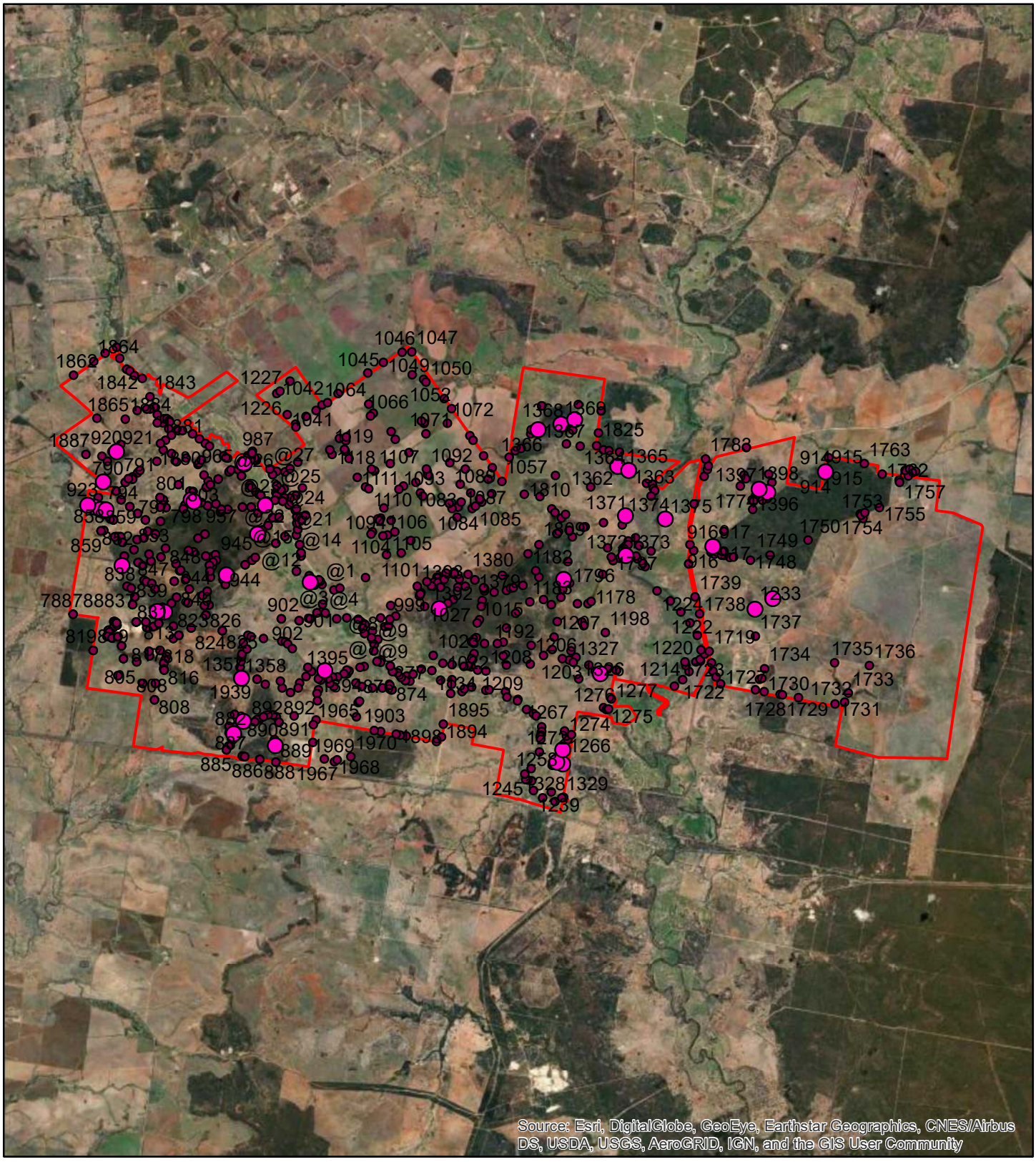
Q - Indicates the Queensland conservation status of each taxon under the *Nature Conservation Act 1992.* The codes are Extinct in the Wild (PE), Endangered (E), Vulnerable (V), Near Threatened (NT), Least Concern (C) or Not Protected ( ).

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

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

Appendix C

Field Survey Site Locations



Legend

- Biocondition sites
- Field Survey Sites

APPENDIX FIGURE A

State 1:100,000 Regional Ecosystem Mapping

SD22 East Ecological Constraints Mapping

AD 25/03/21
Job No. 0237

terrestria ECOLOGICAL MANAGEMENT

Appendix D

Field Survey Site Data: RE Code Site Sheets

A 3.3 Sheet D – Regional Ecosystem type assessment site

1719

Location

Site No. 1 **Recorder:** A DANIEL **Day Date:** 23/11/2020

Purpose 2022

Locality: (inc. distance/direction to nearest town) WYEMBA (YELARBON)

GPS: 55 | 0738923 | 7039140 GDA'94

3151

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	9	8 - 10	VS
T1	7	6 - 8	VS
T2	4	3 - 6	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Open woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Casuarina cristata
E	d	Eucalyptus populnea
T2	d	Acacia farnesiana

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code: non-rem non-functional

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 2 **Recorder:** A Danks **Day Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) HILSTON

GPS: 54 | 0739097 | 7058474 | GDA 94

1722 3151

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	10	9 - 12	
T2		-	
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Callitris collumaris
T1	a	Eucalyptus populnea
T1	r	Angophora leiocarpa

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.5/11.5.1

Proposed RE code: 11.5.5.

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 3 **Recorder:** A. Daniel **Day Date:** 23/11/2020

Purpose SD 22

Locality: (inc. distance/direction to nearest town) WYENA (HILTON)

GPS: 55 0740344 7056096 9D094

1727

Vegetation structure

Median height of the EDL is to be measured 3161 3162

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	6	5 - 7	S
T2	3	2 - 5	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus populnea
T1	a	Callitris glaucophylla
T2	d	Callitris glaucophylla
T2	a	Eucalyptus populnea
G	d	Aristida sp.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Orange Sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: HVR

Proposed RE code: Non-rem 11.5.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 4 **Recorder:** [redacted] **Day Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WYENNA

GPS: 55 0742530 7058055 **D**

Vegetation structure

Median height of the EDL is to be measured 1733 3172/3

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	11 - 14	S
T2	10	8 - 11	S
T3		-	
S1		-	Absent
S2		-	
G		-	

Structural formation: (including height)

Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus melanophloia
T1	a	Angophora leiocarpa
T2	d	Callitris glaucophylla
G		native grasses.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.5/11.5.1

Proposed RE code: 11.5.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 5 **Recorder:** A. DANIEL **Day Date:** 24/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WYENA

GPS: 55 0738673 7060116 GDA 94

1738

5945/6

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	11 - 14	S
T2	10	8 - 11	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus populnea
T2	d	Casuarina cristata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: Not Mapped

Proposed RE code: 11.9.12 (SIZE?) ESA V

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 6 **Recorder:** A. Dittrich **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town)

GPS: 55 [ ][ ][ ][ ][ ][ ][ ] [ ][ ][ ][ ][ ][ ][ ] GDA '94

1740 5948 km 9

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	S
T2	10	8 - 12	
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Eucalyptus orgadophila

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: plain

Soils: Sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code: Remnant 11.9.10

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 7 **Recorder:** A. Daniel **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) W45NA

GPS: 55 [ ] [ ] 9DA94

1741 5950

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	10	8 - 12	S
T2	6	4 - 6	VS
T3		-	
S1	4	2 - 4	S
S2		-	
G		-	

Structural formation: (including height) Tall Open Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus populnea
T2	d	Eucalyptus populnea
S1	d	Eremophila mitchellii

no crustals or bogy-low <15cm width

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: light Sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code: Non-Eucl 11.9.7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 8 **Recorder:** A. DANIEL **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WYENA

GPS: 55 0739245 7061634 GPN 94

1744

Vegetation structure

Median height of the EDL is to be measured 5954/5

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	11 - 15	S
T2	8	6 - 10	MD
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus melanophloia
T_1	a	Eucalyptus brownii ?
T_2	d	Callitris glaucophylla
g	d	Aristida sp.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale sandy loam

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.3.2 / 11.3.25

Proposed RE code: 11.5.5

END

Habitat Characters - Abundance

Site No. 9 **Recorder:** A.DANIEL **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WYENA

GPS coordinates: Zone 55 E 0~~0~~~~7~~~~7~~ 737245 N 7~~9~~6161634 **Datum:** ~~GDA~~ 94

1744
5959/5

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	Some
Fallen logs (>10cm diam.)	5	Previous logging evident, fallen timber & logs
Decorticating bark	3	Callitris mainly young Eucalyptus Melaleuca
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	2	Sandy grass cover is native but sparse
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock		

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 10 **Recorder:** A. DANIEL **Day Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WYEAMA

GPS: 55 | 0783954 | 7061587 | 9 | DA 94

1747

Vegetation structure

Median height of the EDL is to be measured 5958 5959

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	11 - 15	S
T2	7	6 - 9	VS
T3		-	
S1	4	3 - 5	VS
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Angophora leiocarpa
T_1	c	Eucalyptus populnea
T_1	c	Callitris glaucophylla
T_2		As above
S,	d	Acacia cretata
g	D	Aristida caput-medusae

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Deep red sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.5 / 11.5.1

Proposed RE code:

END

Habitat Characters - Abundance

Site No. 10 **Recorder:** A DANIEL **Day/Date:** 23/11/2020

Purpose 322

Locality: (inc. distance/direction to nearest town) WYEMA

GPS coordinates: Zone 55 E 0739543 N 6761583 **Datum:** GDA 94

1747

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	6		
Decorticating bark	2		
Course litter (>2cm diam.)	3		
Fine litter (<2cm diameter)	3		
Bare ground	6		
Grass	6		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock			

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 1 **Recorder:** A. Daniel **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) Wuenha

GPS: 55 [ ] [ ] GDA 94

Vegetation structure

Median height of the EDL is to be measured

5960 5961 5748

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	13	11 - 14	S
T2	6	4 - 7	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Casuarina glaucophylla
T_1	c	Corymbia sp
T_2	d	Eucalyptus populnea
T_2	a	Callitris glaucophylla

evidence of logging

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.1 / 11.5.5

Proposed RE code: 11.5.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 12 **Recorder:** A. Butler **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) W of NM

GPS: 55 1758 5976 17 49 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	15	12 - 16	S
T2	10	8 - 12	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	c	Eucalyptus populnea
T_2	c	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.3 / 11.5.1

Proposed RE code: 11.5.3

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 13 **Recorder:** A DANIEL **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) Bendemeer

GPS: 55 0744014 7063837 GDA'94

1759 5978/9

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	11	9 - 12	S
T2	7	6 - 9	S
T3		-	
S1	5	3 - 6	VS
S2		-	
G		-	

Structural formation: (including height) Tall woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; ***s*** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_1	a	Callitris glaucophylla
T_2	d	Callitris glaucophylla
T_2	a	Eucalyptus populnea
S_1	d	Callitris glaucophylla
G	D	Cenchrus ciliaris

Good live ground

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: deep sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.3.25

Proposed RE code: 11.3.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 14 **Recorder:** A Brown ICC **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) W Hann

GPS: 55 | 0740463 | 7963744 | T **D** 94

1765

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	10 - 13	MP
T2		-	
T3		-	
S1	1.8	1 - 2	S
S2		-	
G		-	

Structural formation: (including height) Tall open forest

Ecologically dominant layer: T1

Plant species

E. fibrosa subsp. nubila

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name E. ~~dentricorn~~ S
E	d	Eucalyptus? virens
T1	d	Acacia Shirleyi
S1	d	Geijera parviflora

Note Bryalow below on edge 1 tree wide

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Stony clay

Field observation and notes:

Landzone: 7

RE code changes

Existing RE code: 11.5.5 / 11.5.1

Proposed RE code: 11.7.2

END

Habitat Characters - Abundance

Site No. 19 **Recorder:** A. DANIEL **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WHENUA

GPS coordinates: Zone 55 E 0740463 N 7963741 **Datum:**

1765

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	0		
Fallen logs (>10cm diam.)	7		
Decorticating bark	5		
Course litter (>2cm diam.)	5		
Fine litter (<2cm diameter)	4		
Bare ground	7		
Grass	2		
Soil cracks	0		
Stones (20-60cm)	3		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock			

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 15 **Recorder:** A Daniel **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) Wyena

GPS: 55 [ ][ ][ ][ ][ ][ ][ ] [ ][ ][ ][ ][ ][ ][ ] GDA'94

1766 5989590

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	16	14 - 18	S
T2	12	10 - 14	MD
T3		-	
S1	2	1 - 3	VS
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus crebra
T_2	d	Callitris glaucophylla
S_1		Gegeria paniflora

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.5 / 11.5.1

Proposed RE code: 11.5.1

END

Habitat Characters - Abundance

Site No. 15 **Recorder:** A Daniel **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WENA

GPS coordinates: Zone 55 E 0740294 N 7763061 **Datum:**

766
5993

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	6	
Decorticating bark	5	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	7	
Bare ground	4	
Grass	2	
Soil cracks	0	
Stones (20-60cm)	3	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock		

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 16 **Recorder:** A DANIEL **Day/Date:** 23/11/2020

Purpose 9D22

Locality: (inc. distance/direction to nearest town) WYENA

GPS: 55 [ ][ ][ ][ ][ ][ ] [ ][ ][ ][ ][ ][ ] GDA'94

Vegetation structure

Median height of the EDL is to be measured 1767 5991

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	T2	10 - 14	~~V~~ V
T2	9	7 - 10	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus nubila
T2	c	Callitris glaucophylla
T2	c	Acacia shirleyi

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Lithosols

Field observation and notes:

Landzone: 7

RE code changes

Existing RE code:

Proposed RE code: 11.7.X

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 17 **Recorder:** A. Daniel **Day Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WYENA

GPS: 55 0740294 7063961 **D**

1768
5993/4/5

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	16	14 - 17	VS
T1	12	10 - 14	S
T2	9	7 - 10	VS
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	Eucalyptus nubila
T1	d	Casuarina cristata
T2	c	Callitris glaucophylla
T2	c	Casuarina cristata
T2	c	Petalostigma pubescens

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: HVR

Proposed RE code: 11.9.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 16 **Recorder:** A. DANIEL **Day/Date:** 24/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town)

GPS: 55 GPA 194

11783 6014/5/6

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	S
T2	10	8 - 12	VS
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus camaldulensis
T_1	a	Angophora
T_2	d	Melaleuca bracteata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 3

RE code changes

Existing RE code:

Proposed RE code: Rem 11.3.25

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 19 **Recorder:** A Daniel **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) ~~WINTON~~ MOSTYN

GPS: 55 0737171 7061423 GDA 94

1784

Vegetation structure

Median height of the EDL is to be measured 60.7 60.4

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	16	14 - 18	S
T2		-	
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus tectrocorys
T1	a	Angophora floribunda

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 3

RE code changes

Existing RE code: 11.3.2 / 11-3.25

Proposed RE code: 11-3-~~7~~26

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 20 **Recorder:** A. DANIEL **Day/Date:** 29/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: [ ][ ] 0736513 7060190 **Datum:** GDA94

Vegetation structure

Median height of the EDL is to be measured 1791 6028/24

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	9	6 - 18	VS
T2		-	
T3		-	
S1	2	1 - 3	S
S2		-	
G	0.5	0 - 1	MD

Structural formation: (including height) Open woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	~~d~~ c	Eucalyptus coronaldensis
T1	c	Acacia salicina
T1	c	Eucalyptus populnea
S1	d	Acacia farnesiana
G	d	Cenchrus ciliaris

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: clay ~~dark~~ grey light pale brown

Field observation and notes:

Landzone: 3

RE code changes

Existing RE code: 11.3.2

Proposed RE code: non-remnant

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 21 **Recorder:** A. DANIEL **Day Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: 55 0735644 7062368 GDA 197

1801

Vegetation structure

Median height of the EDL is to be measured 6046/47

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	8	6 - 10	S
T2	4	3 - 6	MD
T3		-	
S1	2	1 - 3	S
S2		-	
G	0·2	0 - 0·3	S

Structural formation: (including height) Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Eremophila mitchellii
T_2	a	Acacia excelsa
S_1	d	Geijera parviflora
G	d	Enteropogon ascicularis

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Pale orange sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: HVR

Proposed RE code: Functional 11.9.7

END

litter ✓

FWM ✓

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 22 **Recorder:** A Dowle **Day Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) Normanton

GPS: 54 0734913 7062747 GDA94

1807

Vegetation structure

Median height of the EDL is to be measured 60S/54

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	9	7 - 11	S
T2	6	4 - 7	MD
T3		-	
S1	3	2 - 4	S
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus papuana
T2	d	Lysicarpus cristatus
S1	d	Acacia [illegible]

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: HVR

Proposed RE code: 11.9.10 functional

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 23 Recorder: A Daniel Day Date: 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: 55 | 0733871 | 7064346 | GDA 94

1812

Vegetation structure

Median height of the EDL is to be measured 6061/61

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	S
T2	10	8 - 12	S
T3		-	
S1	3	2 - 5	S
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Acacia harpophylla
T1	a	Casuarina cristata
T2	d	Acacia harpophylla
S1	d	Geijera parviflora

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale orange Sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: 11.9.5

Proposed RE code: 11.9.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 24 **Recorder:** A. DANIEL **Day Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: 55 0734283 7064792 GDA 94

1814

Vegetation structure

Median height of the EDL is to be measured 6065/6

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	9	7 - 11	S
T2	6	4 - 7	S
T3		-	
S1	3	1 - 4	S
S2	0.6	0.5 - 1	VS
G		-	

Structural formation: (including height) Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
		Eucalyptus crebra
T_1	d	Eucalyptus populnea
T_2	d c	Acacia harpophylla
T_2	c	Casuarina cristata
S_1	d	Casuarina cristata
S_1	a	Acacia harpophylla
S_2	d	Carissa ovata
G	d	Aristida calycina

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: Not Mapped

Proposed RE code: Functional 11.9.10

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 25 **Recorder:** A. Dwyer **Day/Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: 55 0734294 7064903 GDA'94

1815

Vegetation structure

Median height of the EDL is to be measured 6067/8

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	22	20 - 24	VS
T1		-	
T2		-	
T3		-	
S1	6	5 - 7	MD
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer: S1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	Eucalyptus crebra
T1		Absent
S1	d	Acacia melvillei (Bacon?)

Mallee form

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: orange clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: 11.9.5

Proposed RE code: 11.9.6

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 26 **Recorder:** A. DANIEL **Day/Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: 55 0734568 7065514 GDA 94

1816

6069/70

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	16	14 - 30	S
T2	8	7 - 12	VS
T3		-	
S1	5	4 - 7	MD
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	c	Eucalyptus crebra
T_1	c	Eucalyptus populnea
T_2	d	Eucalyptus populnea
S_1	c	Eremophila mitchellii
S_1	c	Geijera parviflora
S_1	a	Grevillea striata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: not mapped

Proposed RE code: 11.9.7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 27 **Recorder:** A. DANIEL **Day/Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: 55 | 0735519 | 7065557 | GDA94

1818

Vegetation structure

Median height of the EDL is to be measured 60% 1/2

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	10 - 14	S
T2	9	8 - 11	VS
T3		-	
S1	4	3 - 6	S
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_1	a	Eucalyptus crebra
T_2	d	Eucalyptus populnea
S_1	d	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: Not Mapped

Proposed RE code: 11.9.7 Enchanced

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 28 **Recorder:** A Dannock **Day/Date:** 25/11/2020

Purpose SDSS

Locality: (inc. distance/direction to nearest town) MOSTYN

GPS: [ ][ ] 0735424 7065162 GDA94

1819
6073/4

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	
T2	10	8 - 12	
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus melanophloia
T_1	a	Eucalyptus populnea
T_2	d	Eucalyptus [illegible]
T_2	a	Eremophila mitchellii
T_2	a	Eucalyptus populnea
T_2	a	Corymbia glaucophylla

Koala poo

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Pale Sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: 11.9.10

Proposed RE code: 11.9.7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 29 **Recorder:** A. DANIEL **Day/Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town)

GPS: GDA94

Vegetation structure

Median height of the EDL is to be measured

1830 6089 H0

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	10 - 14	VS
T2	8	6 - 10	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code: 11.9.7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 30 **Recorder:** A Daniel **Day/Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town)

GPS: 1831 6093/4 GDA'94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	16	14 - 18	S
T2	10	8 - 12	VS
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus nubila
T2	d	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: Swamp up

Soils:

Field observation and notes:

Landzone: 7

RE code changes

Existing RE code:

Proposed RE code:

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 31 **Recorder:** A Dannock **Day/Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) HOSTYN

GPS: 55 0736165 7062482 GDA94

1833 6095/6

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	S
T2	10	8 - 12	VS
T3		-	
S1	4	3 - 6	S
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Eucalyptus populnea
S_1		Eremophila mitchellii

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale Sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: not mapped >20m wide

Proposed RE code: Functional 11.9.7

END

> FwM
< Stone/rock
< litter

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 32 **Recorder:** A DANIEL **Day Date:** 26/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WILGAVALE

GPS: S 27 07 23976 7066306 GDA 94

1641

Vegetation structure

Median height of the EDL is to be measured 6/07/18

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	18	16 - 22	S
T2	14	12 - 16	
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus cancellata? S
T1	a	Eucalyptus melanophloia
T1/2	d	Eucalyptus [illegible]
G	d	Aristida (white)

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale sandy clay

Field observation and notes:

Landzone: 3

RE code changes

Existing RE code: 11.9.2

Proposed RE code: 11.9.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 33 **Recorder:** A Dannel **Day/Date:** 26/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) Willgamble

GPS: 55 0724485 7065492 GDA94

1644

Vegetation structure

Median height of the EDL is to be measured 6111/2

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	10	9 - 12	VS
T1	7	5 - 9	VS
T2		-	
T3		-	
S1	4	2 - 5	S
S2		-	
G	0.3	0 - 0.5	S

Structural formation: (including height) Open Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	Eucalyptus populnea
T1	d	Eucalyptus populnea
S1	d	Eremophila mitchellii
G	D	Aristida sp.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: gently undulating

Soils: pale sandy clay gently

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: Non-rem

Proposed RE code: non-rem non-fram 11-9-7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 34 **Recorder:** A Dymock **Day/Date:** 26/11/2020

Purpose STRE

Locality: (inc. distance/direction to nearest town) Wilsonton

GPS: 54 0724892 7965096 GDA 94

1852

Vegetation structure

Median height of the EDL is to be measured 6/21/2

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	20	10 - 24	VS
T1	8	6 - 10	S
T2		-	
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	Eucalyptus populnea
T1	d	Acacia excelsa
T1	a	Eucalyptus populnea

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: undulating

Soils: pale orange sandy clay

Field observation and notes:

Landzone: 9?

RE code changes

Existing RE code: 11.9.7

Proposed RE code: non-woody regrowth 11.9.7 / 11.3.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 35 **Recorder:** A Dwyer **Day/Date:** 26/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WILLOWVALE

GPS: 55 | 0972300 | 7065192 GDA 94

1865

Vegetation structure

Median height of the EDL is to be measured

6137/8

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	11	9 - 13	S
T2	7	6 - 9	S
T3		-	
S1	4	3 - 6	S
S2	0.6	0.4 - 0.8	VS
G	0.2	0 - 0.4	VS

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_1	a	Casuarina cristata
T_2	c	Eucalyptus populnea
T_2	c	Casuarina cristata
S_1	c	Eremophila mitchellii
S_1	c	Geijera parviflora
S_2	c	Marionae villosa
S_2	c	Carpobrotus/Ehretia
G_1	d	Aristida sp

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: flat

Soils: pale Sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: HVR

Proposed RE code: REM 11.9.10

END

> Hollows
= Decort
> FWM
> coarse litter
> fine litter
mature grass

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 36 **Recorder:** A Dwinnell **Day/Date:** 26/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town)

GPS: GDA'94

Vegetation structure

1871

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	9 - 15	MD
T2	7	6 - 9	S
T3		-	
S1	4	3 - 6	VS
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Casuarina cristata
T2	d	Casuarina cristata
T1	a	Eucalyptus populnea
S1	d	Eremophila mitchellii

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code:

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 37 **Recorder:** A DANIEL **Day/Date:** 26/11/2020

Purpose 2022

Locality: (inc. distance/direction to nearest town) WILGAMUNE

GPS: 55 0727943 7064284 GDA94

1877

Vegetation structure

Median height of the EDL is to be measured 6152/53

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	5	4 - 7	VS
T2	3	2 - 4	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	c	Acacia harpophylla
T_1	c	Casuarina cristata
T_1	c	Geijera parviflora
T_1	c	Eremophila mitchellii
T_2		As Above

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: flat

Soils: Sandy clay - water polished stones mixed origin

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: not Mapped

Proposed RE code: non-fun Remnant 11.9.16

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 38 **Recorder:** A. DANIEL **Day/Date:** 27/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) REUBEN DOWNS

GPS: 55 0731043 7056939 GDA94

1896

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	8	7 - 10	VS
T2	6	5 - 7	VS
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Eucalyptus populnea
T_2	c	Eucalyptus melanophloia
T_2	c	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: plain

Soils: Dark sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code: non-rem Fundamental 11.9.7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 39 **Recorder:** A. Daniel **Day/Date:** 27/11/2020

Purpose 5022

Locality: (inc. distance/direction to nearest town) Rowbon Downs

GPS: 55 0727148 7655647 GDA 94

1916 6200/1

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	8	6 - 11	S
T2	5	3 - 6	S
T3		-	
S1	2	1 - 3	VS
S2	0.5	0.2 - 1	VS
G	0.2	0 - 0.3	VS

Structural formation: (including height) Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Casuarina cristata
S_1	d	Eremophila mitchellii
S_2		Casuarina cristata
G	d	Aristida sp

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: Plain

Soils: Pale Clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: not mapped

Proposed RE code: Functional 11.9.10

END

FWH ✓
Cover ✓
Native grass ✓
litter

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 40 **Recorder:** A Daniel **Day/Date:** 27/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) Reuben downs / Paddock

GPS: 55 | 0726928 | 7059551 | GDA 94

MGA

Vegetation structure

Median height of the EDL is to be measured 6238/19

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	18	16 - 20	S
T2	12	10 - 14	S
T3		-	
S1	6	4 - 7	VS
S2		-	
G	0.1	0 - 0.3	VS

Structural formation: (including height) Tall woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus papuana
T_2	d	Corymbia confertiflora
G	d	Eremophila mitchellii
G	d	Enneapogon scoparius

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: plain pale sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: not Mapped

Proposed RE code: Remnant Fraxinus 1.9.10

END

Site 41

A. Daniels

27/11/2020

WRT 1968

~~Site~~ 202

Parkes Downs

55 0729171 7056276 from '94

GD 94

Med interval Cover

T_1	12	10 – 14	S
T_2	9	7 – 10	S
S_1	5	3 – 7	VS
S_2	0.4	0.2 – 0.6	VS
G	0.3	0 – 0.4	MD

St	D Dom	SN
T_1	d	Eucalyptus moluccana
T_1	d c	Eucalyptus populnea
T_2	d	Eucalyptus orgadophila
S_1	d	Geijera parviflora
S_1	e	Acacia shirleyi
S_2	d	Cassia ovata
G	d	Maytenus cunninghamii

Soils

pale brown clay

LZ 9

Mapped not mapped

Remnant from mid 11.9.

Photos 6261 6262

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 42 **Recorder:** A Daniel **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) W Tenin

GPS: 55 [ ][ ][ ][ ][ ][ ][ ] [ ][ ][ ][ ][ ][ ][ ] GDA 94

1760 5980 Bl

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	11	9 - 12	S
T2	7	6 - 9	VS
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus populnea
T2		Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.5 / 11.5.1

Proposed RE code: 11.5.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 43 **Recorder:** A. DANIEL **Day/Date:** 25/11/2020

Purpose 2022

Locality: (inc. distance/direction to nearest town)

GPS: 9DA'94

Vegetation structure

Median height of the EDL is to be measured 1836 1600/01

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	VS
T2	10	8 - 12	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus melanophloia
T_2	d	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: Pale sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code:

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 44 **Recorder:** A. Daniel **Day/Date:** 27/11/2020

Purpose SOZZ

Locality: (inc. distance/direction to nearest town)

GPS: GDA94

Vegetation structure

Median height of the EDL is to be measured (920 6206/7

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	11	9 - 13	S
T2	7	6 - 9	S-MD
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: pale Sandy clay

Field observation and notes:

Landzone: 7

RE code changes

Existing RE code:

Proposed RE code: 11.9.7 regrowth

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 45 **Recorder:** A. Daniel **Day/Date:** 27/11/2020

Purpose 3D22

Locality: (inc. distance/direction to nearest town)

GPS: 9DM194

1957 6249/50

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	16	14 - 18	S
T2	10	8 - 14	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus crebra
T2	d	Eucalyptus crebra
	s	Grevillea striata
	a	Acacia shirleyi

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: red sand polished pebble

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code:

Proposed RE code:

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No 46 **Recorder:** A Dowker **Day/Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town)

GPS: 55 [ ][ ][ ][ ][ ][ ] [ ][ ][ ][ ][ ][ ] GDA 94

Vegetation structure

Median height of the EDL is to be measured 1821 6077/8

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	S
T2	8	6 - 12	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	Eucalyptus populnea
T1	a	Eucalyptus crebra
T2	d	Callitris glaucophylla

No cristata or hugophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils:

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code: 11.9.7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 47 **Recorder:** A Daniel **Date:** 25/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town)

GPS: 55 [ ][ ][ ][ ][ ][ ][ ] [ ][ ][ ][ ][ ][ ][ ] GDA 94

Vegetation structure

1823 6080/81

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	VS
T2	7	4 - 9	S
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) Tall Woodland

Ecologically dominant layer: T_1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus melanophloia
T_2	d	Callitris glaucophylla

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform: plain

Soils: Sandy clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code:

Proposed RE code: 11.9.7 (Non-Functional)

END

Vegetation Structure Site Inspection Sheet - Proforma

Location

Site No. 48 **Recorder:** A Dunkel **Day/Date:** 23/11/2020

Regional ecosystem: 9D22 RE 11.9.10

Locality: (inc. distance/direction to nearest town) WYENA

Vegetation structure

Median height of the EDL is to be measured 5965/6
Cover density is to be estimated

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	10 - 14	S
T2	8	6 - 10	S
T3		-	
S1	4	3 - 6	S
S2	0.8	0.5 - 1	VS
G	0.5	0 - 1	VS

Structural formation: (including height)
Tall open Woodland

Ecologically dominant layer: T_1

Notes:
Abundant FWM litter
native grass under

functional ESA Cat B.

Plant species

5967

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
T_1	d	Eucalyptus populnea
T_2	d	Casuarina cristata
T_2	c	Acacia harpophylla
S_1	d	Geijera parviflora
S_1	a	Alectryon diversifolius
S_2	d	Carissa ovata
G	d	Aristida [illegible]
G	d	Enteropogon [illegible]

Notes

11.9.10

Disturbance: logging, previous clearing

Weeds:

Landzone:

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 1 **Recorder:** DS M.H. **Day/Date:** 23/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS: 55 0723426 7057757 **D** 766

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~5~~	~~15-18~~	
T1	18	16-20	M
T2	15	12-18	S
T3	3	2-5	V
S1		-	
S2		-	
G	<1	-	M

Structural formation: (including height) ~~10~~ 16m woodland.

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E fibrosa subtilis
T2	D	A. shirleyi
T3	D	E. rhodoglon
	O	Petalostigma pubescens
G	D	Aristrachne uncinulata
	O	Aristida caput-medusae

Photos

N 5928

S 5929

E 5930

W 5931

G 5932

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Sand plain

Landform: Ridgetop

Soils: DK Brown loam Lots of rock

Field observation and notes: ridgetop with lots of fallen timber, lots of logs rocks, mature, small Eucalypts and shrubs **Landzone:** ~~10~~ 7

RE code changes

Existing RE code: 11.9.5/11.9.10

Proposed RE code: ~~11.10.3~~

END 11.7.7

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 2 **Recorder:** MN DS **Day/Date:** 23/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla hpt

GPS: 55 0723508 7058747 D 771

N 5940
S
E 5941
W 5942
W 5943

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~6~~	~~5-8~~	~~D~~
T1	~~6~~ 0.5	1-8	D
T2	~~2~~	~~1.0-3~~	~~M~~
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height)
low open Eucalypt 4-5m

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	A. cadoxylon

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: quarry

Landform: sloping from ridge to lower rock

Soils: brown soil/loam

Field observation and notes: disturbed earth, regrowth & A. cadoxylon as monoculture. Lots of loose rocks. edge of quarry. **Landzone:** ~~6~~ 7

RE code changes

Existing RE code: HVR

Proposed RE code: ~~11.7.3~~ regrowth (not remnant)

END 11.7.2

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 3 **Recorder:** DS MH **Day/Date:** Tue 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS: S 55 0723298 7059689 D 772

N 5826
S 2829
E 5830
W 5837
S 5832

N 5833
S 5834
E 5835
W 5836
Soil 5837

Vegetation structure

Median height of the EDL is to be measured

P-20 (20-30)

Stratum	Median height	Height interval	Est. cover/ density (D,M,S,V)
E	12	11 - 13	V
T1	8	5 - 89	S
T2	3	3 - 5	S
T3	~~4~~	~~1 - 2~~	~~V~~
S1	1	1 - 2	V
S2		-	
G	less than 1	01 - ~~5~~ 1	D

Structural formation: (including height) low open woodland.

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
e	c	E. populnea
e	c	E. Crebra
e	c	C. Cristata
T1	d	C. cristata
T1	c	E. mitchelliana
T1	c	A. salicina
T1	a	Brachychiton ~~Populneus~~ rupestris
T2	c	A. ~~leiog~~ harpophyla
T2	c	E. mitchelliana
S1	d.	E. mitchelli
g	d	Enchylaena Ciliaris (buffel grass)
g	a	Aristida oxycarpoton
g	a	Enchylaena tomentosa
g	a	Marianthus micrantha
g	a	Carissa ovata
g	a	Capparis lasiantha
g	a	Sclerolaena birchii

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: rocky jump up country

Landform: bottom & slope

Soils: light brown, finer dusty soil, small % rocks coverage, silty clay

Field observation and notes: gloss layer dominated by buffel grass less than 50% cover

Landzone: 9

RE code changes

Existing RE code: HUR

Proposed RE code: ~~11.9.2~~ ~~11.9~~ HUR (11.9.5)

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 4 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla mpt

GPS: 55 | 0726332 5 | 7059622 Z 773

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		[redacted]	
T1	11	10 - 12	M
T2	6	4 - 8	S
T3		-	
S1	1	0 - 2	✓
S2		-	
G		< 1	

Structural formation: (including height) Woodland to 11m

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	[redacted] Acacia shirleyi
T2	a	Owenia reticulata ?
	a	Acacia harpophylla
	c	Acacia shirleyi
S1	D	Carissa ovata
G	D	Aristida ramosa
	s	Cenchrus ciliaris

a Aristida calycina

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rocky gumpuf

Landform: bottom of slope

Soils: Light brown silty clay

Field observation and notes: small patch of lancewood **Landzone:** 7

RE code changes

Existing RE code: HVR

Proposed RE code: 11.7.2

END

Abutilon oxycarpum

~~Brachychiton~~ sp.

Paper daisy

Dysphania ambrosioides

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 5 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS: 792 55 0724626 7059903 D AGD 94 GDA

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	18	18 - 19	V
T1	9	7 - 10	M
T2	6	4 - 7	V
T3		-	
S1		-	
S2		-	
G		<50cm	S

Structural formation: (including height)

Ecologically dominant layer:

N S852
S S854
E S859
W S860
Sml S861

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E. Fibrosa subsp.
T1	D	Ac. Rhodoxylon
T2	D	Acacia cambagei
G	D	Cenchrus ciliaris,
		Aristida calycina
		Dichanthium sericeum

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Jump-ups

Landform: foot of slope

Soils: Grey Clay

Field observation and notes: Lots of fallen timber to edge of quarry

Landzone: 4

RE code changes

Existing RE code: 11.7.5 / 11.9.10

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 6 **Recorder:** DS + MH **Day/Date:** 24/11/2020

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS: 784 S S J 0 7 2 4 3 0 1 7 0 6 9 7 3 5 D

N 5862
S 5863
E 5864
W 5865
Soil 5866

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	20	18 - 21	M
T1	17	15 - 18	M
T2	6	5 - 7	M
T3		-	
S1	less than 1m	0.5 - 1	V
S2		-	
G	less than 0.5m	-	M

Structural formation: (including height) open forest

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	E Crebra
T1	d	A. Shirleii
T2	d	A. rodwayan
S1	d	parasitic plant (to look up
g	s	Ia nandra phylafolia
g	s	Cyperus exaltata
g	s	Aristida capramedusi
g	s	Chloris truncata
g	d	Aristrati bromulata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: jump ups

Landform: Watercourse, leading away from ridge

Soils: brown, sandy, loam

Field observation and notes: mapped as non remnant bgs, very tall iron bark with [illegible] canopy within

Landzone: 7

RE code changes

Existing RE code: non remnant

Proposed RE code: 11.7.3

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 7 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla B[illegible]oo Bi kini

GPS: mPT 785 55 0724461 7059780 **D** AGD94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	16	15 - 18	V
T1	11	10 - 12	M
T2	8	7 - 9	S
T3		-	
S1		-	
S2		-	
G		< 0.3m	V

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E. crebra
	C	E. fibrosa
T1	D	Ac. shirleyi
T2	D	Ac. shirleyi
G		Ar. capit medusae
		Lomandra sp.
		Aristida ramosa
		Aristida calycina

N 5467
S 5468
E 5869
L 5870
G 5871

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: J-mp - ups

Landform: ~~slope~~ Ridge - Top

Soils: Brown silty clay Lots of rock

Field observation and notes:

Landzone: 7

RE code changes

Existing RE code: ~~11.7.2~~ / 11.5.1

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 4 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS: wpt 746 55 0724607 7059860 D AGD94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	15	14 - 16	S
T1	12	8 - 14	D
T2		-	
T3		-	
S1		-	
S2		-	
G	0.3	-	V

Structural formation: (including height) open forest.

Ecologically dominant layer: T1

N - 5872
S - 5873
E - 5874
W - 5875
Soil - 5876

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	c	E fibrosa
~~T1~~ E	c	E crebra
T1	d	E shirleyi
g	d	Lomandra sp.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: jump ups

Landform: ridge slopes, undulating, rocky interspersed

Soils: brown, clay loam

Field observation and notes: rolling hills, on slope from ridge, rocky on slopes, not rocky further away in distance, coffee rock **Landzone:** 7

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 9 **Recorder:** DS MH **Day/Date:** 24/4/20

Purpose

Locality: (inc. distance/direction to nearest town) wilga vale

GPS: wpt 759 55 0723923 7036144 D MGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	13	10 - 14	S
T2	6	5 - 8	S/M
T3		-	
S1	1	1 - 2	S
S2		-	
G		< 0.5	S

N 5842
S 5883
E 5884
W 5885
G 5886

Structural formation: (including height) open woodland to 14m

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	E. [illegible]
	a	Co[illegible] crebra
T2	d	Eremophila mitchellii
	c	Geijera parviflora
S	d	Carissa ovata
	a	Lithosporum spinescens
	a	Alstonia constricta
G		Chloris truncata
		Aristida calycina

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Plain

Landform: flat

Soils: brown clay silt

Field observation and notes: very flat

Landzone: 9 ?

RE code changes

Existing RE code: Not mapped

Proposed RE code: ~~[illegible]~~ 11.9.10 ?

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 10 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Mulgavale

GPS: 55 0724659 7065251 D 161 94

797

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	18	17 - 20	V
T1	10	9 - 12	M
T2	6	3.5 - 7.5	V
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height) open forest

Ecologically dominant layer: T1

N 5893
S 5890
E 5895
W 5896
G 5897

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	E populnea
E	s	C chrysota
T1	d	C chrysota
T2	d	Geijera parviflora
T2	c	~~E~~ Eremophila mitchelli

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: low rolling plains, flat

Landform:

Soils: pale clay, with pebbles

Field observation and notes: ground and shrub layer stony, not to much litter plenty of small stones/pebbles

Landzone: ~~11.9.10~~ 9

RE code changes

Existing RE code: 11.9.10

Proposed RE code:

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 12 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: wpt 799 55 | 0724646 | 7082891 | DAGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	14	12 - 16	5
T2	8	8 - 10	V
T3	5	4 - 5	5
S1		-	
S2		-	
G		<20cm -	5

N 5899
S 5900
E 5901
W 5902
G 5903

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E. populnea
~~T1~~	~~C~~	~~E. populnea~~
T1	C	Cas cristata
T2		E. populnea
T2	D	Eremophila mitchellii
	a	E. Populnea
G		Enteropogon acicularis
		Aristida calycina
		Chloris truncata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Plain

Landform: flat

Soils: Light brown silt

Field observation and notes:

Landzone:

RE code changes

Existing RE code: HvR

Proposed RE code: HvR (11.9.10)

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 13 **Recorder:** DS mH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town)

GPS: 400 S S 0724725 7063083 D AGD94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~11~~	~~8 - 12~~	
T1	11	8 - 12	M
T2	4	3 - 6	S
T3		-	
S1	1	0.5 - 1.5	S
S2		-	
G	less than 0.5m	0.2 - 0.5	V

Structural formation: (including height)

Ecologically dominant layer: T1

N 5904
S 5905
E 5906
W 5907
soil 5908

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E populnea
T2	C	~~E~~ Eremophila mitchelii
T2	C	Wilga
S1	C	D viscos
S1	C	~~ote~~ A. excelsa
S1	C	Maireana microphylla
S1	C	Erchinea tomentosa
g	C	~~d~~ enteropogon asiculatus
g	C	aristidus caruana
g	C	dichanthium sericeum
g	C	buffel grass

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: plains

Landform: flat, some low hills

Soils: light brown, silty clay

Field observation and notes: large regrowth area dominated by E populnea very little grass cover.

Landzone: 9

RE code changes

Existing RE code: none

Proposed RE code: HVR (11.9.10)

END

wp 800

Site No. 13	Project	Recorder MH : OS		Date 24/11/20
ZONE	EASTING	NORTHING	LATITUDE	LONGITUDE
55	072472	7063084		

Tree	Starts	Stop	Species	Ht		Condition	Age
	2.5	5	Popla	0			
	33.5	36.5	Popla		1		
	36.5	39	Popla	1	0		
	39	41	Popla		1		
	42.5	44	"		10		
	45.5	47.5	"	1	0		
	46.5	49.5	"	1			
	48.5	50 ~~49.5~~	"	1	0		
	50	52	"	1	0		
	54	56	"		9		
	56	60	"		12		
	63	65	"	8			
	70.5	76	"		1		
	92	95	"		8		
	95.5	100	Cas Cristata	1	0		

End
55 072464O
7063134

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 14 **Recorder:** DS MN **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Boondoroo

GPS: wpt 405 55 0724038 7058466 D AGD94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	11	10 - 12	V
T1	6	4 - 8	M
T2		-	
T3		-	
S1		-	
S2		-	
G		<0.3cm	

Structural formation: (including height) open forest / low open forest 10-11m

Ecologically dominant layer: T1

N 5926
S 5929
E 5928
W 5929
C 5930
5931
Fire 5932

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	Ac. harpophylla
T1	D	Ac. harpophylla
	a	Owenia acidula
	a	Brachychiton rupestris
	a	Geijera parviflora
	a	Eremophila mitchellii
G		Atriplex sp?
		Salsola australis
		Ac. harpophylla seedlings

Malva americanum
Abutilon oxycarpum

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Jumpup's

Landform: Bottom of slope

Soils: Brown silty loam

Field observation and notes: Small patch irregular regrowth
Lots of canopy recruitment

Landzone: 9

RE code changes

Existing RE code: Non Rem

Proposed RE code: HVR (11.9.5a)

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 15 **Recorder:** MH + DS **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Bikini

GPS: 848 55 s 0724750 7098646 D

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	9	8 - 11	M
T2	7	5 - 8	S
T3		-	
S1		-	
S2		-	
G		-	M

N 5960
S 5961
E 5962
W 5963
9 5964

Structural formation: (including height) open forest

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	A harpophyla
T2	d	Brachychiton rupestris
T2	a	E populnea
T2	a	A harpophyla
g	c	Paspalidium distans
g	c	Buffel grass
g	c	Aristital calycogn ?
g	c	Enteropogon acyculans
g	c	Chloris gayana
g	c	Eragrostis brownii

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating country on fine grain sedimentary rock

Landform: bottom of slope, leading out to plain

Soils: light brown, pale clay

Field observation and notes: open forest, regrowth, ground layer 0-5% functional, animal trails throughout

Landzone: 7

RE code changes

Existing RE code:

Proposed RE code: 11VR (11.9.5a)

END

817 beginning and end of polygon walk around

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 15A **Recorder:** DS MH **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Bikani

GPS: wpt 815 55 0729447 7081915 D AGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	19	19-20	V
T1	12	10-13	M
T2		-	
T3		-	
S1	3	2-6	S
S2		-	
G		<1	S

Structural formation: (including height)

Ecologically dominant layer:

N 5954
S 5955
E 5956
W 5957
G 5958

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E fibrosa Nubila
T1	c	E fibrosa Nubila
T1	c	E crebra
	c	~~Acacia Shirleyi~~ E. exserta
S1	a	Bursaria incana
S1	a	Hakea lorea
S1	D	Calytrix gracilis ?
	a	Psydrax odorata
G	D	Aristrachne unicinulata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Jump-ups

Landform: Top of ridge

Soils: Skeletal brown silty clay - Lots of surface rock present

Field observation and notes: Top of Jump up

Landzone: 7

RE code changes

Existing RE code: 11.9.5/11.9.10

Proposed RE code: 11.7.7

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 16 **Recorder:** DS MW **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) W. Ilgarvale

GPS: wpt 820 55 0724698 7606286 D AGD 94

N 5966
S 5967
E 5968
W 5969
G 5970

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	8	7 - 9	M
T2	4	4 - 5	M
T3		-	
S1		-	
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	E. shirleii
T1	a	E. crebra
		~~E. tereticornis~~
T2	c	Eucalyptus erythrophloia
T2	~~c~~	~~Acacia~~
T2	a	Melaleuca decora
g	c	Capparis mitchellii
g	c	Dysphania carinata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Jump up formation

Landform: top of slope

Soils: brown red clay.

Field observation and notes: historical extensive ring barking very recent ~~ST~~ indication of thinning / tree harvesting **Landzone:** 7

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 17 **Recorder:** DS MH **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: wpt 927 55 0725791 7103734 D MGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	14	13 - 15	V
T1	4.5	3 - 6	M
T2		-	
T3		-	
S1		-	
S2		-	
G		< 0.2m -	√

Structural formation: (including height)

Ecologically dominant layer:

N 5977
S 5995
E 5979
W 5980
G 5981

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E. crebra (Cpreset)
T1		Callitris endlicheri
		~~Eucalyptus sp.~~
		Allocasuarina leuhmannii
G		Ar Caput-medusae
		Fallax

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: rolling downs

Landform: Midslope

Soils: Pale sandy clay

Field observation and notes: Not rupat highly disturbed strip along track

Landzone: 9

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: NR (11.5.1)

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 18 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: wpt 833 55 0724225 7060979 **Datum** GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~10~~	~~9-11~~	
T1	10	9-11	M
T2		-	
T3		-	
S1		-	
S2		-	
G		<0.5 -	

Structural formation: (including height)

Ecologically dominant layer:

N 5989
S 5990
E 5991
W 5992
G 5993

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	A. shirleyi
		E. creberrima
G		Lomandra filiformis
		Pseudoraphis distans

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Hills

Landform: Mid slope

Soils: Brown clay loam Lots of small rock

Field observation and notes: Well developed Ac. shirleyi Forest dominated by much ground cover compared to open woodland.

Landzone: 7

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 19 **Recorder:** DS MH **Day/Date:** 26/9/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgarvale

GPS: ~~S~~ upt 55 0725155 7061232 D AGD 94

842

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~15~~	~~15-20~~	
T1	13	11 - 20	M
T2	7	5 - 8	S
T3		-	
S1	3	2 - 4	S
S2		-	
G		<0.3	

Structural formation: (including height) Open forest 13m tall

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E. crebra
	c	Callitris glaucophylla
T2	c	Casuarina cristata
	c	Callitris glaucophylla
	a	Eremophila mitchellii
S1	D	Geijera parviflora
		Eremophila mitchellii
G		Aristida caput-medusae
		Digitaria sp.
		Panicum effusum
		Aristida calycina
		Chrysopogon fallax
		Solanum sp.

~ 6007
S 6008
E 6009
W 6010
G 6011

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rolling hills

Landform: Top of hill

Soils: Redbrown clay

Field observation and notes: obvious dark strip on Aerial ~30m wide

Landzone: 7

RE code changes

Existing RE code: Not rem

Proposed RE code: ~~11.5.2~~ remnant 11.5.1

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 20 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) wilgavale

GPS: apt 847 55 | 0714359 | 7061664 **D** AGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~20~~	~~18-22~~	
T1	20	18-22	S
T2	12	10-13	S
T3	4	4-5	S
S1		-	
S2		-	
G		<0.3 -	V

Structural formation: (including height) Woodland to 22m

Ecologically dominant layer: T1

N 6017
S 6018
E 6019
W 6020
G 6021

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E crebra
T1	a	E populnea
T2	D	Callitris glaucophylla
	a	E crebra
	a	Acacia leiocarpa
	a	Acacia cowinia endlicheri
	a	E Poplar
T3	D	Callitris glaucophylla
G		Chrysopogon fallax
		Aristida capt-medusae

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: sedimentary plains

Landform: Top of hill

Soils: reddish sand

Field observation and notes: Historically ~~cleared~~ cleared

Landzone: 5

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.5.1

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 21 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) W. Igarate

GPS: wpt 852 55 0724051 7762038 **D** AGD94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	19	18-23	S
T2	16	12-18	S
T3	6	5-8	V
S1		-	
S2		-	
G		<1-2m	

Structural formation: (including height)

Ecologically dominant layer:

N 6026
S 6029
E 6029
W 6029
G 6030

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E. Populnea
		E. crebra
T2		Callitris glaucophylla
		E. crebra
T3		Petalostigma pubescens
		Aristida constricta
		Callitris glaucophylla
G		Aristida calycina
		Aristida caput-medusae

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Sedimentary plains

Landform: Flat rolling hills

Soils: Pale sand

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: ~~11.5.1~~ 11.5.1 11.9.10 11.5.1

Proposed RE code: 11.5.1 11.9.10

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 22 **Recorder:** DS MW **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: 853 55 0723954 7011785 **D** AGD94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	13	12 - 15	S
T2	8	7 - 9	M
T3		-	
S1	2	0 - 2	V
S2		-	
G		<0-3 -	

Structural formation: (including height)

Ecologically dominant layer:

N 6031
S 6032
E 6033
W 6034
G 6035

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	c	Corymbia intermedia
	c	Angophora leiocarpa
	c	E. crebra
		E. portuensis
		Callitris glaucophylla
T2	d	Callitris glaucophylla
	a	Angophora leiocarpa
S1		Callitris
		parlar
G		Aristida calycina
		Chrysopogon fallax

Echinopogon ntans?

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Sedimentary plain

Landform: slope

Soils: Reddish sandy clay

Field observation and notes: very open canopy missing Crebra

Landzone: 5

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.5.1 ?

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 23 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: 854 | 55 | 0723319 | 7062638 | D 16D TY

N 6036
S 6037
E 6038
W 6039
G 6040

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	11	10 - 13	S
T2	7	5 - 8	M
T3		-	
S1		-	
S2		-	
G		<0.2 -	S

Structural formation: (including height) Woodland 11m

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Eucalyptus crebra
	a	Brachychiton populneus
T2	D	Callitris glaucophylla
	a	Geijera parviflora
	a	Capparis lasiantha/lucida
G		Digitaria
		Echinopogon ovatus
		Plectrachne sp.
		Aristida calycina

Aristida capt-medusae

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types: Jump-ups

Land system: Top of Jumpup

Landform:

Soils: Pale reddish Sand

Field observation and notes: Lots of large rock

Landzone: 7

RE code changes

Existing RE code: 11.7.6

Proposed RE code: 11.7.6 – Citriodora not present

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 24 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Mitgarvale

GPS: 856 | 55 | 0723428 | 7062565 | DAGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	10	8-10	M
T2	6	5-7	V
T3		-	
S1	1	1-2	V
S2		-	
G		<0.3	S

Structural formation: (including height)

Ecologically dominant layer:

N 6041
S 6042
E 6043
W 6044
6 6045

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Ac. harpophylla
	S	E. Populnea
T2		Santalum lanceolatum
		Geijera parviflora
		Eremophila mitchellii
S1		Santalum lanceolatum
		Geijera parviflora
		Ac. harpophylla (seedling)
G		Enteropogon acicularis
		Sporobolus creber
		Chloris truncata
		Aristida calycina

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Sedimentary plains

Landform: Foot of slope

Soils: Pale brown clay

Field observation and notes:

Landzone:

RE code changes

Existing RE code: NR

Proposed RE code: NR – <0.5 ha

END

855 start of Polygon
857 End of Polygon

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 25 **Recorder:** MH + DS **Day/Date:**

Purpose

Locality: (inc. distance/direction to nearest town) Willgandale

GPS: 795 | 55 | 0728109 | 7022688 | D

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12m	9 - 13	M
T2	5	2 - 6	S
T3		-	
S1	3	1 - 4	S
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	A harpophylla
T1	a	E populnea
T1	a	C Castata
T2	c	C Castata
T2	c	Callitris glauca
T2	c	E Mitchelli
S1	c	Wilga
g	c	Dianella frutiata
g	c	Bare
g	c	Eremophila accularis
g	c	Indigofera Tomentosa
g	c	Bulbine exycarpa
g	c	Sclerolaena birchii

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: clay/ sedimentary plain

Landform: Flat land.

Soils: light brown dusty, fine clay

Field observation and notes: Bargalow, boat, more seen in the center and down toward edges.

Landzone: 9

RE code changes

Existing RE code: Non remnant.

Proposed RE code: 11.9.5a

END

858 = beginning and end of polygon

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 26 **Recorder:** MA + DS **Day/Date:** 27/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: 860 55 0723613 7021110 **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
~~E~~	~~10~~	~~9 - 12~~	~~M~~
T1	10	9 - 12	M
T2	4	2 - 6	S
T3		-	
S1		-	
S2		-	
G	less than 1cm	-	

Structural formation: (including height)

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	s	E Coolabra
T1	s	Caltrus glaucaphila
T1	d	A Shirleyi
T2	c	A shirleyi
T2	c	Caltrus glaucaphila
g		[illegible] carissoides
g		[illegible] coprarnodes.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: rocky steep up

Landform: sloping, near top of slope

Soils: light sandy soil

Field observation and notes: rocky, not much under story - relatively open

Low level vegetation along creek running between lower fields of irrigation and top end of mixed woodland

Landzone: 7

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 27 **Recorder:** DS MH **Day/Date:** 27/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: 865 | 55 | 0723018 | 7065951 | **D** AGD94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~8~~	~~10-15~~	
T1	13	12 - 15	S
T2	9	8 - 11	MS
T3		-	
S1	1	1 - 1.5	V
S2		-	
G		<0.2	D

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E crebra
T2	D	Callitris glaucophylla
S1	D	Cassinia ovata
G		Eragrostis sallina
		Aristida ramosa
		Eragrostis sp
		Aristida capt-medusae

~~2 6062~~
~~S 6063~~
~~E 6064~~
~~W 6065~~
~~G 6066~~

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rolling hills

Landform: Slope

Soils: Red sand

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.7.6 ~~[illegible]~~

Proposed RE code: ~~[illegible]~~ 11.7.6 - Eucalyptus not present

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 28 **Recorder:** MH:DS **Day/Date:** 27/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS: 867 | S | S | 0 7 2 4 0 7 4 | 7 0 6 1 4 5 2 | D

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	19	18 - 22	V
T1	10	9 - 13	M
T2	4	4 - 6	S
T3		-	
S1		-	
S2		-	
G	less than 1m	-	

Structural formation: (including height) open forest.

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	Eucalyptus Cebra
T1	d	Acacia Harpophylla
T1	a	Eucalyptus [illegible]
~~T2~~	~~d~~	~~Acacia [illegible]~~
T2	d	Eucalyptus [illegible]
T2	a	[illegible] Psydrax odorata
G		~~[illegible]~~ [illegible] Aristida ~~[illegible]~~ [illegible] uncinulata
g		[illegible]ulfed
g		Sporobolus creber
g		Enteropogon ascicularis
g		Carissa ovata

E 6067
S 6069
E 6069
W 6070
g 6071

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating country

Landform: bottom & slope between two ridges

Soils: Clay to drainage line. → brown clay

Field observation and notes: heavily brigalow dominated, no rocks or [illegible]sphyll **Landzone:** 9

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.9.5a

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 201 **Recorder:** DS MH **Day/Date:** 30/1/20

Purpose

Locality: (inc. distance/direction to nearest town) Reuben Downs

GPS: ~~S~~ 54 55 | 0 7 R 6 5 7 6 | 7 0 5 7 4 9 6 **D** AGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	9	~~7~~ 7-10	S
T2		-	
T3		-	
S1	2	1-4	✓
S2		-	
G		< 0.3	M

Structural formation: (including height)

Ecologically dominant layer:

N 6090
S 6091
E 6092
W 6093
G 6094

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	A. shirleyi
		E. crebra
S1	D	A. shirleyi seedlings
G	D	Aristida caput-medusae
		Aristadena uniaulata
		Lomandra sp

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rocky Jump-ups

Landform: Top of jump-up

Soils: Light brown silty clay lots of pebbles

Field observation and notes:

Landzone: 7

RE code changes

Existing RE code: 11.7.2 / 11.51

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location 2087

Site No. ~~2766~~ **Recorder:** JS MH **Day/Date:** 30/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Ruby Downs

GPS: 884 | 55 | 0726421 | 7956727 | D GDA94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	15	14 - 16	S
T1	7	6 - 10	M/S
T2	4	2 - 5	V
~~T3~~	~~1~~	~~0.5 - 1.5~~	
S1	1	0.5 - 1.5	V
S2		-	
G	less than 1 hour	-	D/M

Structural formation: (including height) open forest

Ecologically dominant layer: T1

N 6101
S 6102
E 6103
W 6104
G 6105

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E populnea
T1	c	E populnea
T1	c	A harpophyla
~~T1~~		~~A Shirleyi~~
T1	c	A olga
T1	c	A Atalaya hemiglauca
T1	c	E Mitchellii
T2	D	E Mitchellii
T2	S	A olga
T2	S	A harpophyla
T2	S	Atalaya hemiglauca
S1	c	Atalaya Lemiglauca
S1	c	Dodonaea viscosa
S1	c	E populnea
g	c	Paleum fusca
g	c	Olbiorus truncata
g	c	Dichanthium sericeum
g	c	Aristida caticana

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills/downs

Landform: bottom of slope

Soils: light brown clay

Field observation and notes: open woodland, diverse forest

Landzone: 3

RE code changes

Existing RE code: none

Proposed RE code: ~~11.3.2~~ 11.9.10

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 214 **Recorder:** MH + OS **Day/Date:** 30/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Ruby Downs

GPS: 892 | S | S | 0 | 7 | 2 | 7 | 7 | 3 | 9 | 7 | 0 | 5 | 7 | 2 | 9 | 9 | **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
~~E~~	~~15~~	~~12 - 17~~	~~S~~
T1	15	12 - 17	S
T2	10	8 - 10	S
T3	~~2~~	~~1 - 4~~	~~V~~
S1	2	1 - 4	V
S2		-	
G	less than 30cm	-	M

Structural formation: (including height)

Ecologically dominant layer: T1

N 6113
S 6114
E 6115
W 6116
G 6117

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E Eucalyptus Cadora.
~~T1~~		~~E Eucalyptus~~
T1	S	E Eucalyptus shirleyi
T1	S	C Corymbia citriodora
T2	c	C Corymbia citriodora
T2	c	E Eucalyptus shirleyi
S1	d	E Eucalyptus shirleyi
g	cg	Aristida caput-medusae
g	cg	Aristida calycina
g	c	Enneapogon lindleyanus

g c buffel grass

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills

Landform: hills, running off ridge up country

Soils: reddish, silty clay

Field observation and notes: lots of tall open forest, med / less understory

Landzone:

RE code changes

Existing RE code: 11.5.1 / 11.5.5

Proposed RE code: ~~11.5.1~~ 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 223 **Recorder:** MH + DS **Day/Date:** 1/12/20

Purpose

Locality: (inc. distance/direction to nearest town) The paddock

GPS: wpt 901 | 55 | 0728260 | 7059936 | D

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~11~~	~~8 -12~~	~~M~~
T1	11	8 -12	M
T2	6	4 -8	S
T3		-	
S1	0.5	0.5 - 1	V
S2		-	
G	0.3	-	

Structural formation: (including height)

Ecologically dominant layer: T1

N 6126
S 6127
E 6128
W 6129
U 6130

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	C cristata
T2	D	C cristata
T2	S	E papulnea
S1	C	[illegible]
S1	C	C cristata
g	c	bulbel
g	c	panicum effusum
g	c	digitaria sp
g	c	chloropogon asciculata
g	c	salsola australis

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: plains, undulating

Landform: water courses, #

Soils: very light brown, clay silty

Field observation and notes: drainage courses, trees growing along sloping sides greater than 0.5 ha

Landzone:

RE code changes

Existing RE code: none, not remnant.

Proposed RE code: 11.3.1 ??

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 231 **Recorder:** MH + OS **Day/Date:** 1/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Burnside

GPS: J 5 | 0726462 | 7061334 **D**

909

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~10~~	~~9 - 11~~	
T1	10	9 - 11	M
T2		-	
T3		-	
S1		.2 - .4	M
S2		-	
G		-	

N 6140
E ~~6141~~
W 6142
G 6143

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	A harpophyla
T1	a	C populnea
T1	s	C cristata
		~~C cristata~~
S1	d	wilga

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills

Landform: on slope, mid at bottom

Soils: light brown/grey silty clay

Field observation and notes: lots of brigalow greater than 5ha (estimate) mainly from neighbour property

Landzone: 9

RE code changes

Existing RE code: 11.72/11.5.1

Proposed RE code: 11.9.5a

END

possible brigalow thicket site - remnant.

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 27A **Recorder:** MM + DS **Day/Date:** 3/12/20

Purpose Scatos

Locality: (inc. distance/direction to nearest town) ~~0726~~ Burnside

GPS: 943 | 55 | ~~0726~~ | ~~323~~ | ~~2061124~~ | D

0726312 7061105

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	18	16 - 18	V
T1	9	8 - 10	M
T2	4	3 - 6	S
T3		-	
S1	0.5	-	
S2		-	
G	less than 5cm	-	V

Structural formation: (including height)

Ecologically dominant layer: T1

N 6209
S 6210
E 6211
W 6212
G 6213

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	E. populnea
T1	d	A. harpophyla
T2	c	C. onstata
T2	c	E. ilga
T2	c	A. harpophyla
T2	a	E. mitchelii
S1	a	C. onstata
S1	a	tubular flower shrub
g	a	capril madusi

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulated slopes.

Landform: on slope

Soils: light brown Fine sandy

Field observation and notes: large bugalow forest, very little understorey, loose soil with many small stones less than 5cm **Landzone:** 9

RE code changes

Existing RE code: 11.7.2 / 11.5.1

Proposed RE code: 11.9.5a

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 313 **Recorder:** MH + OS **Day/Date:** 4/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Burnside

GPS: wpt 983 | 55 | 0726997 | 7064996 | **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		~~15~~ -	
T1	18	15 - 19	S
T2	12	~~09~~ - 14	S
T3		-	
S1		-	
S2		-	
G	less than 20 cm	less than 20 cm	

Structural formation: (including height)

Ecologically dominant layer: T1

N 6264
S 6265
E 6266
W 6267
g 6268

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	c	E. camaldulensis
T1	c	E. populnea
T2	d	E. populnea
T2	a	C. cristata
T2	a	W. lycioides
T2	a	B. rupestris
T2	a	B. papulnea
g	s	Solanum sp
g	d	Atriplex spp.
g	d	Calotis sp. little hooked burr
g	s	Dichanthium sericeum
g	a	Isoetes digitata
g	a	Schoenoplectus dioecus
g	a	Xanthium spinosum
g	a	Eragrostis Vulgaris
g	a	Argemone ochroleuca
g	a	Cassinia laevigata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: quaternary alluvial systems

Landform: dried depression / ~~wetland~~ wetland

Soils: light brown silty alluvial clay / fine.

Field observation and notes: lake & wetland / marsh area weeds, land area is depression leading to creek. Ephemeral wetland/overflow area

Landzone:

RE code changes

lots of low damage. camaldulensis only around the ~~perimeter~~ area of d sheet. The rest of the polygon dominated by E. populnea.

Existing RE code: 11.~~9~~3.2

Proposed RE code: 11.3.25.

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 309 **Recorder:** MH + DS **Day/Date:** 3/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Braeside

GPS: wpt978 | 55 | 0727324 | 7062846 | **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~15~~	~~12 - 15~~	~~M~~
T1	14	10 - 15	M/S
T2	4	3 - 6	S
T3		-	
S1	0.75	0.5 - 1m	V
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer: T1

N 6255
S 6256
E 6257
W 6258
G 6259

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E populnea
T2	C	Casuarina cristata
T2	C	E. microtheca
T2	C	Acacia wilga
S1	C	E. microtheca
T2	a	Citrus glauca
S1	a	Citrus glauca
S1	C	Alectryon diversifolius
S1	C	Dodonaea adenophora
S1		~~Acacia~~ Acacia wilga
G		Aristida calycina

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: alluvial flats

Landform: flat close to creek

Soils: light brown silty clay

Field observation and notes: very flat land running along side of creek

Landzone: 3

RE code changes

Existing RE code: 11.3.2

Proposed RE code: 11.3.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 299 **Recorder:** DJ MN **Day/Date:** 3/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Burnside

GPS: wpt 968 55 0726928 7064151 D AGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~20~~	~~18 - 21~~	~~M~~
T1	20	18 - 21	M
T2	13	12 - 15	S
T3		-	
S1	5	3 - 6	
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

N 6239
E 6240
S 6241
W 6242
G 6243

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E. tereticornis
	a	E. camaldulensis
T2	c	E. tereticornis
	c	E. melanophloia
	c	E. camaldulensis
S1	D	Geijera parviflora
		Citrus glauca
		Ac. excelsa
G		Cenchrus ciliaris

Chamaesyce drummondii
Maireana microphylla
Sclerolaena birchii

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Alluvial

Landform: watercourse - overflow area

Soils: Brown sand

Field observation and notes: Dominated by buffel

Landzone: 3

RE code changes

Existing RE code: 11.3.2

Proposed RE code: 11.3.2

END overflow area 966 - 967 in a circle

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. M1 **Recorder:** MH **Day/Date:** 1/12/20

Purpose

Locality: (inc. distance/direction to nearest town) The paddock

GPS: WPT 01 | 2 6 | 5 5 5 4 3 4 | 1 4 9 2 8 7 2 6 | DWGS84

555 07288 51 7606873

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~15~~	~~13 - 18~~	M
T1	16	13 - 18	M
T2	4	4 - 6	V
T3	too small	-	D
S1		-	
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer: T1

N 6266
S 6267
W 6268
E 6269
G 6270

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.		Scientific Name
T1	D	E	Corymbia clarksoniana
T1	S	E	Poplulnea
T2	r		wilga
T2	S		melaleuca/Mel. bracteata??
T2	S	E	pepulnea
G	D		buffel

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: water causeway

Landform: creek edge,

Soils: very light brown/clay

Field observation and notes: Mix of tall grass with sub dominant

peppers bordering water course **Landzone:** 3

RE code changes

Existing RE code: 11.3.25

Proposed RE code: 11.3.25

END

WK3

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 405 **Recorder:** DS MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Wyatta

GPS: wpt 996 55 0730418 7659776 D AGD 96

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	7	5 - 8	M
T2	3	3 - 4	M
T3		-	
S1	1	0.5 - 2	S
S2		-	
G		20 - 2 -	S

Structural formation: (including height)

Ecologically dominant layer:

N 6288
S 6286 6289
E
W 6288
G 6289

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1		E. crebra
		Cor. intermedia
		Callitris glaucophylla
T2		Callitris glaucophylla
		Grevillea parallela
		Eremophila mitchellii
S1		Callitris glaucophylla (seedlg)
		Eremophila mitchellii
		Citrus glauca
G		Enteropogon ramosus

Aristida calycina
Aristida ramosa

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rocky jump-ups

Landform: Top of ridge

Soils: Brown silty sand

Field observation and notes: Mapped NVR

Landzone: 7

RE code changes

Existing RE code: NVR

Proposed RE code: NVR 11.7.7?

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 408 **Recorder:** DF MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town)

GPS: wpt 1000 | 55 | 0730369 | 7960007 | D AGD 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	5	4 - 6	S
T2		-	
T3		-	
S1		-	
S2		-	
G		<0.4 -	✓

N 6293
S 6294
E 6295
W 6296
G 6297

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1		Callitris glaucophylla
		Eucalyptus exserta
		Ac. shirleyi
		Euc populnea
G		Aristrachne uncinulata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rocky jumpups

Landform: top of hill

Soils: Gravel

Field observation and notes: Low regrowth - open - mixed sp

Landzone: 7

RE code changes

Existing RE code: NR

Proposed RE code: May be 11.9.R

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 409 **Recorder:** D MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town)

GPS: wpT 100 | 55 | 0730633 | 7606325 | D AGD 94

N 6298
S 6299
E 6300
W 6301
G 6302

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E			
T1	4	3 - 5	S
T2		-	
T3		-	
S1		-	
S2		-	
G		<0.5 -	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – codominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1		A. leucadendra
		A. sp.
		Alstonia constricta
		C. calora
G		Cyclosorus fallax
		Melanthes sericea
		Oncinus alexis

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system:

Landform:

Soils: orange-brown silty clay

Field observation and notes: R.F. intermittent

Landzone:

RE code changes

Existing RE code: Low regrowth vine forest

Proposed RE code:

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 411 **Recorder:** MH + DS **Day/Date:** 15/12/2020

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS: wpt1003 S 27 03 22 87 E 146 11 38 D

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	10	8 - 12	M
T2	6	5 - 8	M
T3		-	
S1	1.5	1 - 3	S
S2		-	
G	leaf litter 0.5	-	V

Structural formation: (including height) T1

Ecologically dominant layer:

N 6305
S 6306
E 6307
W 6308
G 6309

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E. populnea
T1	S	C. costata
T2	D	C. costata
T2	a	A. o. lumenii
T2	S	E. populnea
S1	D	C. costata
S1	S	V. glga
g	d	capet medusi

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills

Landform: on the slope

Soils: light brown, sandy

Field observation and notes: lots of poplar, no bonyong, with a few significant underlying of C. costata

Landzone: 11.9.10

RE code changes

Existing RE code: 11.9.10 / 11.9.5

Proposed RE code: 11.9.10

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 42 **Recorder:** Mitt DS **Day/Date:** 15.12.20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla.

GPS: wp1 100 | | 0 0 3 2 4 2 0 | 7 8 6 1 0 1 8 | **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		1 -	
T1	12	10 - 14	S
T2	8	6 - 7	V
T3		-	
S1	3	3 - 5	V
S2		-	
G	less than 0.5	-	M

Structural formation: (including height)

Ecologically dominant layer: T1

N 6310
W 6311
E 6312
L 6313
G 6314

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E melanophloia
T1	S	E crebra
T1	S	E chloroclada
T1	S	Callitris glaucophylla
T1	S	E populnea
T2	D	Callitris
S1	d	Lulga
S1	S	Carissa ovata
g	c	Aristida calycina
g	c	Aristida caput-medusae
g	c	Goodenia [illegible]

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills / slopes

Landform: higher on stony land.

Soils: light brown sandy

Field observation and notes: sparse forest, maybe historically cleared gone back to remnant.

Landzone: 5

RE code changes

Existing RE code: 11.5.5

Proposed RE code: 11.5.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 413 **Recorder:** MH + DS **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myall a

GPS: ~~WPT 1005~~ | | | 0 | 7 | 3 | 2 | 2 | 7 | 1 | | 7 | 6 | 0 | 4 | 8 | 0 | **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	15	16 - 18	S
T1	12	10 - 13	M
T2		-	
T3		-	
S1		-	
S2		-	
G	less than 0.5	-	

Structural formation: (including height)

Ecologically dominant layer: T1

N 6315
S 6316
E 6317
W 6318
G 6319

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E. cebra
T1	S	E. cebra
T1	D	A. shirleyi
g	D	Capparis medusi

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: jump ups

Landform: ridge top

Soils: brown silt clay

Field observation and notes: ridge top with small stone sloping away into gully. Clearly dominated by A. shirleyi. Dark patches in satellite image represent A. shirleyi 11.7.2

Landzone: 7

RE code changes

Existing RE code: 11.5.5

Proposed RE code: 11.7.2

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 419 **Recorder:** DS MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS: wpt 1012 55 0732993 7906030 Z 6D1 7H

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	12	12 - 13	V
T1	3	2 - 3.5	D
T2		-	
T3		-	
S1		-	
S2		-	
G		<0.4 -	S

Structural formation: (including height)

Ecologically dominant layer: T1

N 6331
S 6332
E 6333
W 6334
G 6335
plant 6336

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	Eucalyptus
T1	D	Melaleuca tamariscina
G		Pogonatherum distans
		Solanum sp.
		Cyperaceae sp

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills

Landform: top of hill

Soils: Red-brown brown clay-loam

Field observation and notes: Eucalyptus senescing

Landzone: 5

RE code changes

Existing RE code: 11.5.5

Proposed RE code: 11.5.10

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 420 **Recorder:** DS MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS: WPT 015 55 0732898 7059879 **D** GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	20	18 - 20	V
T1	12	10 - 13	M
T2	6	5 - 7	S
T3		-	
S1		<.5	
S2		-	
G		<0.2	

Structural formation: (including height)

Ecologically dominant layer: T1

6337N
6339S
6339E
6340W
6341G

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E. crebra
T1	D	E. crebra
T2	D	Ac. leiocarpa
		Callitris glaucophylla
		Eremophila mitchellii
		Allocasuarina leuhmannii
G		Cyperus exaltata?
		Aristida caput-medusae
		Chrysopogon fallax
		Eragrostis collina
		Lomandra sp.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills

Landform: hill top

Soils: reddish sandy clay

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.5

Proposed RE code: 11.5.1

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 923 **Recorder:** DS MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS: 1017 55 0732786 7059380 DGDN 94

N 6343
S 6344
E 1345
W 6346
G 6347

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	20	19 - 20	V
T1	7	6 - 8	V
T2	5	4 - 6	D
T3		-	
S1		-	
S2		-	
G		<0.4 -	

Structural formation: (including height)

Ecologically dominant layer: T2

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E. trebra
T1		E. exserta
T2		A. burrai ?
G		Eragrostis sp.
		Aristida sp.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Undulating hills

Landform: Slope

Soils:

Field observation and notes: Brown isl clay

Landzone: 7?

RE code changes

Existing RE code: ~~11.5.5~~ NVR

Proposed RE code: 11.7.2 NVR young regrowth ?

END

No rocks here but very rocky adjacent
No shirley II here but Lots adjacent
Large eagle nest close

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 430 **Recorder:** DS MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS: 55 0731389 7060574 **D** GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		~~8~~ -	
T1	10	8 - ~~14~~	S
T2	6	5 - 7	S
T3		-	
S1	1	1 - 2	✓
S2		-	
G		<0.5	S

Structural formation: (including height)

Ecologically dominant layer:

N 6354
S 6355
E 6356
W 6357
G 6358
Bridelow 6359

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	c	E. chloroclada
		E. populnea
T2		A. leptophylla
		Acacia decora
S1		Geijera parviflora
		Eremophila sp.
		Eremophila mitchellii
G		Aristida calycina
		Aristiadiane uncinulata

Chloris truncata

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hilly

Landform: slope

Soils: red clay-loam

Field observation and notes: Mapped as remnant 11.5.5 but is regrowth with bridelow

Landzone: 5

RE code changes

Existing RE code: 11.5.5

Proposed RE code: NVR

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 433 **Recorder:** MH+OS **Day/Date:** 16/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry Jungle

GPS: wpt 1028 | | | 0729163 | 7060738 | **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	20	18 - 23	S
T2	12	8 - 15	S
T3		-	
S1	3	2 - 3	V
S2	1	0.5 - 1	V
G	less than 0.5	-	

N 6363
S 6364
E 6365
W 6366
G 6367

Structural formation: (including height)

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – codominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	d	E. camaldulensis
T2	c	E. papuana
T2	c	E. camaldulensis
S1	d	A. salicena
S2	d	E. papuana
S2	s	Native orange
S2	a	A. salicena
S2	a	Hygrobia
S2	a	E. mitchelli
G	c	Atriplex sp
G	c	Nitrariafilum??
G	c	Juncus usitatus
G	c	Cynodon dactylon
G	a	Xanthium pungens

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: river flats

Landform: ephemeral wetland

Soils: brown/dark brown clay soil

Field observation and notes: large ephemeral wetland, sign of clear modification toward northern extent.

Landzone: 3

RE code changes

Existing RE code: not mapped

Proposed RE code: 11.3.27 ??

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 435 **Recorder:** DS MH **Day/Date:** 16/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry Jungle

GPS: 1037 | 55 | 0728163 | 7865040 | D GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	16	13 - 16	✓
T1	14	5 - 10	M
T2		-	
T3		-	
S1	2	1 - 2	✓
S2		-	
G		< 0.7	D

Structural formation: (including height)

Ecologically dominant layer:

N 6371
S 6372
E 6373
W 6374
G 6375

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E		Casuarina cristata
T1		Acacia harpophylla
		Santalum lanceolatum
		Eremophilum mitchellii
S1		Gossia fragrantissima
		Notelaea longifolia
G	D	Cenchrus ciliaris
G		Panicum effusum
G		Zygophyllum ??

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Downs

Landform: flat

Soils: DK Brown loamy clay

Field observation and notes: ~20m on South side of road
~15m on North side of road **Landzone:** 9

RE code changes

Existing RE code: Not mapped

Proposed RE code: 11.9.5

END

Vegetation Structure Site Inspection Sheet - Proforma

Location

Site No. 448 **Recorder:** _____ **Day/Date:** 16/12/20

Regional ecosystem: 11.9.10 (not mapped)

Locality: (inc. distance/direction to nearest town) Angry jungle

Vegetation structure

1049 1050

Median height of the EDL is to be measured
Cover density is to be estimated

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	16	14 - 20	S
T1	10	8 - 14	S
T2		-	
T3		-	
S1	1.5	1 - 2	V
S2		-	
G		-	

N 6391
S 6392
E 6393
W 6394
G 6395

Structural formation: (including height)

Ecologically dominant layer: T1

Notes:

ground cover dominated by buffel, up to 90% of ground cover.
Non mapped habitat, containing tall poplars and bungalows.

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
E	c	Bungalow
E	c	E populnea
T1	c	Bungalow
T1	c	E populnea
T1	c	A salicina
T1	c	C. citrus
E	a	E melanophloia
S1	c	Capparis lasianthefolia/canescens??
S1	c	Native citrus
S1	c	Bungalow
S1	c	Yulga
S1	a	Flectrox diversifolia
g	d	Buffel grass
g	s	Aristida bacinulata
g	s	Chloris truncata
g	s	Eragrostis cilianensis
g	s	Eragrostis verticillata

Notes

Disturbance: heavily grazed

Weeds: buffel dominated

Landzone: 9

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 452 **Recorder:** MH + DS **Day/Date:** 16/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry Jungle

GPS: 55 | 0732777 | 7064625 **D**

1025

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	11	10 - 14	V
T1	5	4 - 8	S
T2		-	
T3		-	
S1	1	0.5 - 1.5	V
S2		-	
G	less than 0.5	-	

Structural formation: (including height)

Ecologically dominant layer:

N 6399
S 6400
E 6401
W 6402
G 6403

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	d	Bargalow
E	s	C. cristata
T1	d	Bargalow
T1	a	Alwenia ascidula
T1	s	C cristata
S1	d	Bargalow
g	d	Buffel

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating hills

Landform: downs

Soils: brown clay soil

Field observation and notes: ~~flow~~ flow about 16m wide, bargalow forest running along fence line, lots of buffel

Landzone: 9

RE code changes

Existing RE code: none

Proposed RE code: 11.9.5a

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 455 **Recorder:** MHr OS **Day/Date:** 16/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Tingha jungle

GPS: 55 | 0 2 3 3 7 6 6 | 2 0 6 3 6 1 4 **D**

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	14	14 - 16	V
T1	9	8 - 10	S
T2	4	3 - 5	S
T3		-	
S1	1.5	1 - 2	V
S2		-	
G		-	

Structural formation: (including height)

Ecologically dominant layer:

N 6408
S 6409
E 6410
W 6411
G 6412

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
E	D	E. propelmo
T1		angaloa
T1		C. cristata
T1		E. populnea
T2		A. falcata
T2		Vulga
S1		Vulga
S1		Native citrus
G		coffee
G		Zygophyllum sp
G		Chloris truncata
G		Sporobolus caricis ??
S1		Cassia conescense

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: undulating downs

Landform: flat.

Soils: light brown clay

Field observation and notes: regrowth site, brigalow dominating

Landzone: 9

RE code changes

Existing RE code: HVR

Proposed RE code: HVR 11.9.5

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 655 **Recorder:** DS MH **Day/Date:** 16/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Ansco Jungle

GPS: 1059 55 0173326 7063233 **D** GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	8	7 - 10	S
T2		-	
T3		-	
S1	3	1 - 3	S
S2		-	
G		< 0.3	

Structural formation: (including height)

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1		Acacia pendula
S1		Eremophila sp.
		Capparis perulata
G		Cenchrus ciliaris
		Sclerolaena birchii
		Malvastrum americanum
		Abutilon oxycarpum
		Chloris truncata
		Philotheca sp.

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Downs

Landform: watercourse

Soils: Brown clay

Field observation and notes: Dominated by Myall (Acacia pendula) but significant canopy death

Landzone:

RE code changes

Existing RE code: NVR

Proposed RE code: NVR

END

Vegetation Structure Site Inspection Sheet - Proforma

Location

Site No. 457 **Recorder:** MH + DS **Day/Date:** 16/12/20

Regional ecosystem:

Locality: (inc. distance/direction to nearest town) Angry Jungle

Vegetation structure 1060 1061

Median height of the EDL is to be measured
Cover density is to be estimated

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	9	8 - 11	M
T2	4	3 - 5	S
T3		-	
S1	1	1 - 2	VS
S2		-	
G	less than 5	-	M

Structural formation: (including height)

Ecologically dominant layer: T1

Notes:
C. cristata dominated with lots of bluegrass coming through buffel growing throughout possible HVR

N 6418
S 6419
E 6420
W 6421
G 6422

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
T1	c	C cristata
T1	c	bluegrass
T1	a	myall
T1	a	Eucalyptus
T2	c	mitchelii
T2	a	wilga
S1	a	Dodonaea viscosa
S1	a	native citrus
T2	c	bluegrass
G		buffel
G		Chloris truncata
G		Enteropogon ascicularis

Notes

Disturbance:

Weeds:

Landzone:

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 460 **Recorder:** DS MH **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) ~~At~~ Angry Jungle

GPS: wpt 1064 55 0730067 7065566 **D** GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	11	10 - 13	M
T2		-	
T3		-	
S1	3	3 - 4	V
S2		-	
G		<0.6 -	D

N 6429
S 6430
E 6431
W 6432
G 6433

Structural formation: (including height)

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia harpophylla
	a	Casuarina cristata
S1	D	Geijera parviflora
G	D	Cenchrus ciliaris

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rolly downs

Landform: slope

Soils: Brown clay

Field observation and notes: Shrub layer thin Ground 100% buffel

Landzone: 9

RE code changes

Existing RE code: 11.9.5 / 11.9.10

Proposed RE code: 11.9.5a

END

WK3(2)

Vegetation Structure Site Inspection Sheet - Proforma

Location

Site No. 461 **Recorder:** DS MH **Day/Date:** 17/12/20

Regional ecosystem:

Locality: (inc. distance/direction to nearest town) ~~Agatha~~ Argyle jungle

Vegetation structure

1065
1066

Median height of the EDL is to be measured
Cover density is to be estimated

Stratum	Median height	Height Interval	Est. cover density (D,M,S,V)
E		-	
T1	6	5 - 8	S
T2		-	
T3		-	
S1	3	3 - 5	V
S2	1	0.5 - 1	V
G		<0.2 -	D

Structural formation: (including height)

Ecologically dominant layer:

Notes: 11.9.5a advanced regrowth very open

N 6434
S 6435
E 6436
W 6437
G 6438

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – codominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia harpophylla
		Brachychiton rupestris
S1	D	Geijera parviflora
		Geijera salicifolia
		Citrus glauca
		Dalbergia lanceolaria
S2		Geijera ovata
		Citrus glauca
		Alectryon diversifolius
G	D	Enchylaena tomentosa
		Chloris truncata
		Jasminum didymum
		Malvastrum americanum

Notes

Disturbance:

Weeds: Ground 100% buffel

Landzone: 9

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 462 **Recorder:** DS MH **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Argyle jungle

GPS: wpt 1067 | 55 | 0730654 | 7064851 | D GDA 96

N 6439
S 6440
E 6444
W 6442
G 6443

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		~~13-15~~	
T1	14	13 - 15	V
T2	10	9 - 11	S
T3		-	
S1	4	3 - 5	S
S2	1	0.5 - 1.5	V
G		<0.1	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1		Casuarina cristata
	D	Melaleuca hypophylla
T2	D	Acacia hypophylla
		Casuarina cristata
		~~Eucalyptus tereticornis~~ (?)
		Brachychiton rupestris
S1	D	Grevillea parviflora
S2	D	Alectryon diversifolius
		Capparis lasiantha

T2 C Melaleuca

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types: G D Cenozoic silicic

Land system: Chlor tunnelata

Landform: Anastomosing unconsolidated

Soils: Paspalidium distans

Field observation and notes: Enteropogon acicularis

Zygophyllum sp. **Landzone:** 9

RE code changes

Existing RE code: Not mapped

Proposed RE code: 11.9.5a

END

T2 opuntia tomentosa

G Aristida calycina sporobolus australis

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 464 **Recorder:** DS MH **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry jungle

GPS: WPT 1069 | 55 | 0731503 | 7065059 | D GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	7	6 - 9	M
T2	3	3 - 4	S
T3		-	
S1	05	0.5 - 1	✓
S2		-	
G		<=.6	D

Structural formation: (including height)

Ecologically dominant layer: T1

N 6455
S 6456
E 6457
W 6458
G 6459

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia harpophylla
T2	D	Acacia harpophylla
		Citrus glauca
S1	D	Geijera parviflora
		Alectryon diversifolius
G	D	Cenchrus ciliaris

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Downs

Landform: flat

Soils:

Field observation and notes: DK Brown clay
Ground 100% buffel

Landzone: 9

RE code changes

Existing RE code: 11.9.5 / 11.9.10

Proposed RE code: 11.9.5a

END

Vegetation Structure Site Inspection Sheet - Proforma

Location

Site No. 472 **Recorder:** DS MH **Day/Date:** 17/12/20

Regional ecosystem:

Locality: (inc. distance/direction to nearest town) Angry Jungle

~~WPT~~ WPT 1077

Vegetation structure

Median height of the EDL is to be measured
Cover density is to be estimated

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	5'	4 - 6	5
T2		-	
T3		-	
S1	2	1.5 - 2.5	V
S2	0.4	0.2 - 0.5	V
G		< 0.2 -	V

Structural formation: (including height)

T1

Ecologically dominant layer:

Notes: 100% buffel

very open

~~Acacia~~ Eucalypt no shrub layer

Mostly bare ground

N 6469
S 6470
E 6471
W 6472
G 6473

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia hapophylla
S1	D	Citrus glauca
		Eucalyptus melanophloia
S2	D	Acacia hapophylla Geijera
G	D	Cenchrus ciliaris
		Melinis minutiflora

Notes

Disturbance: very open regrowth

Weeds: Grass 100% buffel

Landzone: 9

Vegetation Structure Site Inspection Sheet - Proforma

Location 478

Site No. [redacted] **Recorder:** DK MH **Day/Date:** 17/12/20

Regional ecosystem:

Locality: (inc. distance/direction to nearest town) Angry jungle

Vegetation structure

Median height of the EDL is to be measured
Cover density is to be estimated

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	13	10 - 15	M
T2	4	2 - 5	M
T3		-	
S1		-	
S2		-	
G		<0.5	

N 6481
S 6482
E 6483
W 6484
G 6485

Structural formation: (including height)

Ecologically dominant layer: T1

Notes:

Plant species

WPT 1089

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – codominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
T1	D	Casuarina cristata
		fg E. populnea
		Grevillea mitchellii ±10 llw
T2	D	Eremophila mitchellii
		Cassia porvifolia
		Atalaya glauca
G		Chloris truncata
		Aristida calycina

Notes

Disturbance: Not mapped
NVR 11-9-10?

Weeds:

Landzone: 9

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 488 **Recorder:** DS MH **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry Jungle

GPS: 1097 | 55 | 0 1 4 3 0 3 0 9 | 7 0 6 2 5 4 7 | DGDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	7	6 - 10	M
T2		-	
T3		-	
S1		1 - 15	V
S2		0 - 0.5	V
G		< 0.3	V

N 6500
S 6501
E 6502
W 6503
G 6504

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia harpophylla
		Casuarina cristata
		Santalum lanceolatum
		Alectryon diversifolius
S1		Cenchrus glaucus
S2		Acacia harpophylla seedlings
G		Grading calcic

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Dams

Landform: bottom of slope

Soils: DK Brown clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: Not mapped

Proposed RE code: 11.9.5 NVR?

END

Vegetation Structure Site Inspection Sheet - Proforma

Location

Site No. 492 **Recorder:** DS MN **Day/Date:** 17/2/20

Regional ecosystem:

Locality: (inc. distance/direction to nearest town) Argos Jungle

Vegetation structure

Median height of the EDL is to be measured
Cover density is to be estimated

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	5	5 - 6	M
T2		-	
T3		-	
S1		-	
S2		-	
G		< 0.6 -	D

N 6490
S 6491
E 6492
W 6493
G 6494

Structural formation: (including height)

Ecologically dominant layer: T1

Notes: Patchy
Brigalow regrowth

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – codominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
T	D	Acacia harpophylla
		Eremophila mitchellii,
		Jasminum didymum
G	D	Cenchrus ciliaris
		Aristida tonentosa

Notes

Disturbance:

Weeds: Ground 100% buffel

Landzone: 9

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 495 **Recorder:** DS MN **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry Jungle

GPS: 1104 55 0730748 7032244 D GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	6	6_8	M
T2		-	
T3		-	
S1	3	2_4	S
S2		0.2_1	S
G		<0.1	S

Structural formation: (including height)

Ecologically dominant layer:

N 6511
S 6512
E 6513
W 6514
G 6515

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia harpophylla
	A	Casuarina cristata
S1		Acacia harpophylla
		Eremophila mitchellii
S2		Acacia harpophylla seedlings
		Cassia ovata
		~~Ate~~ Geijera parviflora
G	D	Cenchrus ciliaris
		Sporobolus australis
		Eragrostis browniii

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Downs

Landform: Flat

Soils: Brown gravelly clay

Field observation and notes: Ground dominated by Buffel

Landzone: 9

RE code changes

Existing RE code: 11.9.5 / 11.9.10

Proposed RE code: 11.9.5a

END

Vegetation Structure Site Inspection Sheet - Proforma

Location

Site No. 498 **Recorder:** DS MH **Day/Date:** 17/12/20

Regional ecosystem:

Locality: (inc. distance/direction to nearest town) Arong Jungle

Vegetation structure

Median height of the EDL is to be measured
Cover density is to be estimated

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	14	12 - 14	V
T1	8	8 - 10	V
T2	5	3 - 7	V
T3		-	
S1	1	1 - 2	V
S2		-	
G		<0.6 -	M

Structural formation: (including height)

Ecologically dominant layer: T1

Notes: Regrowth 11.9.5a

N 6518
S 6519
E 6520
W 6521
C 6522

Plant species

Record relative (numerical) dominance for each stratum;
d – dominant; ***c*** – co-dominant; ***a*** – associated; ***s*** – suppressed.

Str.	Rel. dom.	Scientific Name
E		Corymbia citriodora
T1		Corymbia citriodora
		Acacia harpophylla
T2		Acacia harpophylla
S1		Alectryon diversifolius
		Grevillea mitchellii
		Envisser ovata
		Broom
G	D	Corchorus olitorius

Notes

Disturbance:

Weeds: Ground my sparse but dominated by buffel

Landzone: 9

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 499 Recorder: DS MH Day/Date: 17/2/20

Purpose

Locality: (inc. distance/direction to nearest town) Argyl Jungle

GPS: 169 55 0729982 7036410 D GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	9	5 - 9	✓
T2		-	
T3		-	
S1	4	2 - 4	M
S2		-	
G		0 - 3	✓

Structural formation: (including height)

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia hapuphylla
		Casuarina cristata
S1	D	Geijera parviflora
6		Cenchrus ciliaris
		Gregrostis brownii
		Sclerolaena birchii
		Capparis lasiantha
		Enteropogon acicularis
		Panicum effusum
		Zygophyllum sp
		Euphorbia tannensis
		Carissa ovata

N 6523
S 6524
E 6525
W 6526
G 6527

Bidens pinnata
Xanthium spinosum

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rolling downs

Landform: Slope

Soils:

Field observation and notes: Canopy dying -

Landzone: 9

RE code changes

Existing RE code: Not mapped

Proposed RE code: 11.9.5 regrowth ? remnant but mod

Good condition

END

See other sheet for core plot

499

Vegetation Structure Site Inspection Sheet - Proforma

Transect - crown cover measured *(transect intercept method)*

GPS coordinates: **Datum:** GDA 94 **Transect length:** 100

Start point	Zone 55	E 0729982	N 7063410	6109
End point	Zone 55	E 0730066	N 7063362	6110

All heights in the "Str./height" column are to be measured

Interval (metres)	Intercept	Str./height
7 - 12.5	5.5 m	T1 8
19 - 20	1 m	T1 6
26.5 - 29	2.5 m	S1 25
37 - 40	3 m	S1 3
48 - 50	2 m	T1 7
-	m	
75 - 77	2 m	S1 2
84 - 88	4 m	S1 2
87 - 88	1 m	T1 7
-	m	
-	m	
-	m	
-	m	
-	m	
-	m	
-	m	
-	m	
-	m	
-	m	
-	m	
-	m	

Summary:

Minimum height of plants included in the transect table:	6 m	
Intercept of EDL 0 - 50m:	2	m
Intercept of EDL 50 -100m:	7	m
Measured crown cover % of EDL 0 -100m:	28	%
Structural formation		

Conclusions/Notes:

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 504 **Recorder:** DS MH **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Argyle Forge

GPS: 115 | 55 | 0172930 | 7054671 | **D** GDA94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	8	6 - 12	S
T2		-	
T3		-	
S1	3	2 - 5	S
S2	0.5	0 - 0.5	V
G	0.3	< 0.4	M

Structural formation: (including height)

Ecologically dominant layer: T1

N 6532
S 6533
E 6534
W 6535
G 6536

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Acacia harpophylla
		Opuntia tomentosa
S1		Cymbopogon glaucus
		Eremophila mitchellii
		Aristida henryglauca
		Galactia parvifolia
S2		Acacia harpophylla seedlings
		Aristida henryglauca
G	D	Cenchrus ciliaris

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Downs

Landform: Flat

Soils: reddish brown clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: 11.9.5/11.9.10

Proposed RE code: 11.9.5a

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 513 **Recorder:** DS MH **Day/Date:** 18/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Ansons Jungle

GPS: 1124 | 55 | 0728224 | 7064054 | **D** GDA 94

N 6551
S 6552
E 6553
W 6554
G 6555

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	10	8 - 10	V
T1	5	4 - 5	MD/D
T2		-	
T3		-	
S1	1	1 - 1.5	V
S2		-	
G		<0.1	MD

Structural formation: (including height)

Ecologically dominant layer: T1

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Ac. harpophylla
E	D	E Populnea (on edge)
S1	D	Geijera parviflora
G		Cenchrus ciliaris
		Sida acuta
		Eragrostis brownii
		Enchylaena tomentosa
		opuntia aurantiaca

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Rolling downs

Landform: slope

Soils: Brown clay

Field observation and notes: harpophylla seedlings common
Ground layer mainly low - mostly seedling grasses

Landzone: 9

RE code changes

Existing RE code: Not mapped

Proposed RE code: 11.9.5a regrowth

END

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 518 **Recorder:** DS **Day/Date:** 18/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry Snake

GPS: 1129 | 55 | 0727859 | 7663358 | **D** GDA 94

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	12	10 - 12	V
T2	8	8 - 9	V
T3		-	
S1	34	3 - 6	S
S2		-	
G		<0.3 -	V

Structural formation: (including height)

Ecologically dominant layer: T1

N 6569
S 6570
E 6571
W 6572
G 6573

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; **s** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E Populnea
T2	D	Ac harpophylla
S1	C	Geijera parviflora
	C	Eremophila mitchellii
G	D	Cenchrus ciliaris

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Downs

Landform: Towards bottom of slope

Soils: Red/brown clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: 11.9.5 / 11.9.10

Proposed RE code: 11.9.10

END

Appendix E

Field Survey Site Data: Quaternary Site Sheets

Job..... Date.....

SD22 23/11/2020 (1)

No.	Easting	Northing	Comments	Photo
1720			C. crebra 10-12 m VS RHC 5m wide	3153
1721			E. populnea 12-13m, Callitris glaucophylla 10m rem	3154
1723	(+/- 15m Southy)		Scattered Callitris 6m VVS over buffel	3155
1724	"	"	" " Acacia sp non-rem	3157
1725	(non-rem patch)		T, E. crebra, A leiocarpa 14m VS, C. glauca 8m	3158
1726			Rem 11.5 $	3159/60
1728			non rem 11.5 $ E pop 7m VS over C. glauca	3163
1729	non-rem size		T, A leiocarpa 16m (Bark) rem structure T, A leichhardtii 12m (Eucalyptus)	3164
			[illegible]	3165
1730			[illegible] (regrowth poplar on South)	3166 11.5.5 non-rem
1731	non-rem structure		T, A leiocarpa 14m, E crebra (a), T2 C. glauca	3167
1732	non-rem		T, E. camaldulensis 8m mallee	3168
1734			rem 11.5 $	3174
1735			rem 11.5.1 South (mapped non-rem)	3175
1736			C. glaucophylla regrowth 5-8m (non-rem)	3176
1737			E. (crebra?) E. populnea T, Acacia "lanceolata" non-rem LZ? surface rock	3178

Job SD22 (2) Date

23/11/2020

No.	Easting	Northing	Comments	Photo
1739			T1 14m E pop, A. pendula, VS >30m wide T2 10m C. [illegible] remnant	5947
1740			T1 14m E pop S T2 10m Cas [illegible] S (Buffer) >20m wide remnant (mega max)	5948 5949
1741			T1 E pop 10m S <15m wide T2 E pop 6m VS Buffer MD under S, Ekem Milch 5m S NO FWM	5950
1742	(Mapped HVR) (Thin Strip)		T1 E pop 10–13m (12) S S, 4–7 (6) S Eremophila mitchellii pale sandy clay REMNANT	5951 5951
1743	(Mapped HVR		11.5.5 (E pop 12m T Callitris glauca 8m S & E. melanoptera Remnant	5953
1745			Rem 11.5.5	5956
1746			rem 11 5.5 abundant logs, native grass	5957
1748	abundant native grass litter FWM		T1 C. glaucophylla, Grevillea sp. 11–14m S T2 E populnea 4–7m S C. glaucophylla evidence of logging	5960 5961
1749			11 5 5 good cond litter, FWM, litter	5962
1750			" "	5963
1751			Canopy gap 20m	5964
1754			Edge LZ9 → LZ5 East (small patch 11.5.5 isolated)	5968
1755			E. Eucalyptus over C. glaucophylla RE 11.5.1 new good cond	5969
1756	buffer <FWM No Hollows <litter		T1 10–13 12m E pop 11.5.5 T2 8–10 9m C. glauca Young rem	5973
1757			Dam surrounded by E. camaldulensis 14m 5974 earthworks, i.e. not natural but in natural drainage line 5975	

Job..... Date.....

5022 (3) 23/11/2020

No.	Easting	Northing	Comments	Photo
1758	abundant	Holcus FWM	T1 E.pop 15m (12–16m) S T2 E.pop/Call glauca (8–12) 10m S	5976 5977
1760	> FWM < grass < litter < Holcus		T1 9–12 (11) E.pop/C. glaucophylla VS T2 6–9 T C. glaucophylla VS 9 Conchurus echlan S MD	5980 5981
1761			" "	5982
1762 ?			Rem 11.5 S <20m wide	5983
1762			Rem 11.5 S poplar over Araucaceae 9	5984
1763			Rem 11.5 S Holcus layered down by Callitris	5985
* 1764			Mapped 11.32 north 100m Endangered 14m E.pauciflora VS T1 6–12 9 M. pandula S	5986
1766	~~bare ground~~ > FWM < grass Holcus > bank		T1 14–18 16 S E. gelorum T2 10–14 12 MD Callitris glaucophylla S1 1–3 2 VS Gegera LZ5 11.5.1	5989 5990
1767			T1 10–14 12 VS E. nubila T2 8–10 9 S C. glauca / A shirleyi 11.7.4? 11.7.2 poor condition	5991 5991
1769			11.9.10 <15m wide too narrow Fringing dam	5996/7
1770			C. crassicaulis 12m too small	5998
1771	Holcus grass FWM		Nubila / Callitris 11.7.4 LZ7	5999
1772			1km N Small patch top of Hill 11.7.4 E. nubila / C. glaucophylla	6000
1773			Patchy broken veg North non-functional	6001
1774			Boundary w/Beloah 8m non-functional	6002
1775			T1 12m E. moluccana LZ7	6003
1776		11.9.9 not mappable.	T1 12m E. moluccana T2 8m " " A. leucopo	6004

Job..... Date..... 23/11/2020

SD22 (9)

No.	Easting	Northing	Comments	Photo
1777	Remnant		Poplar box 16m RL 10m wide	6005
1778	Remnant RL		Poplar box 11m good condition 11.9.7	6006
1779	Mapped HVR		T1 E.pop 10m S track through T2 C.glauca 6m S Poor cond.	6007
	too narrow functional		non-rem 11.9.7	6008
~~1780~~	1780		11.9.7 non-functional insufficient cover (buffel under)	6009
1781	Roseside		11.9.7 Remnant good condition	6010
1782	80m South		line of brigalow back of (pump up non-rem non-functional	6011
1783	HVR North?		Rem 11.3.2 disturbed (dam)	6012/13
25/11 1783	>FWH >litter <Rock	Rem 11.3.25	T1 12–16m 14 E. camaldulensis, Angophora T2 8–12 10 M. bracteata VS	6014 6015/6
1785			E. melanophloia/Ang floats 23	6019
1786			T1 E. camal/Ang scab 18m, T2 M bracteata 11.3.25	6020
1787			Rem 11.3.25 good cond	6021
1788			" " " "	6024
1789	Soil cracks		11.3.27 E camaldulensis VS 16m G=nadoo	6025 6026
1790			Rem 11.3.25	6027
1792			non-rem non-functional	6030
1793	deep cracks		11.3.26 or 11.3.27 (wet Rd)	6031/32
1794			11.3.25 rem	6033
1795			non-rem non-functional	6034
1796			cultivars 8m non-functional	6035
1797			Paddock	6036
1798			non-functional 11.3.2	6037

Job..... Date..25/11/2020

SD22 25/11/2020 (5)

No.	Easting	Northing	Comments	Photo
1799	Soil cracks.		E camaldulensis 18-22m VS (RE 11.3.27)	6042/3
1800			no HVR — cleared (small patch)	6045
1802			Functional 11.9.7	6048
			Allo leuhmannii	
1803	FWM Native grass decorticating bark		T1 E pop Eglaucophylla 10-13m 11m S T2 Allocas leuhmannii 7-10 8m MD	6049 6050
1804	Remnant grass Small rocks		T1 E. nubila 18m S LZ7 11.7.17. (6058)	6051
1805			" " "	6052
1806			pulled N-fenceline Non-functional	6053
1808			11.9.10 functional	6056
1809			fenceline pulled N	6057
★ 1810	Mapped HVR		pulled — patchback.	6059
1811	Angry purple		Bryalow 8m buffel under non-functional	6060
1813	good condition		RE 11.9.10 Crotalaria 12m	6063/4
1820	Edge West		> Ecrebra over mallee (Hellitilei?)	6075
1821			T1 E pop 14m S Ecrebra T2 Callitris glaucophylla 8m S LZ9 11.9.7 not 11.9.10	6078
1822			regrowth poplar / callitris non-functional	6079
1823	non-rem 11.9.7		T1 E. melanophloia 14m VS (non-functional) T2 C. glaucophylla 7m S Buffel under	6080/81
1824	red sand LZ5		T1 10-14 12m MD Callitris glaucophylla	6082
1825			" "	6083
1826			" "	6084

11.5.5

Job.....

Date. 25/11/2020

SD22 (6)

No.	Easting	Northing	Comments		Photo
1827	redsand	11.5.5	T1 E. melanophloia 14-16m VS T2 C. glaucophylla 7-11 S Fenceline & heat concern		6085
1828	Photo North Benedmore 11.5.5 redsand		T1 Callitris glaucophylla 10m MD Remnant (not 11.9.10)		6086 6087
1829	white sand.		11.5.5 both sides fence		6088
1830	pale clay		T1 E. pop 12m V S T2 C. glaucophylla 8m	11.9.7	6089/90
1831			Remnant 11.3.25 T1 E. nubila 16m S		6091
1831	LZ7	jumpup	T2 C. glaucophylla 10m V S	11.7.7? Remnant	6093/4
1834			Rem 11.3.25 good cond		6097/8
1835			11.3.2 rem good cond		6099
1836	mapped HVR rem 11.9.7		T1 12-16m 14 E. melanophloia VS T2 8-12 10 C. glaucophylla S Pale sandy clay	LZ9	6100 6101
26/11 1837			Rem 11.3.25 Rem 11.3.2 (south) T1 E. pop 10m S Colosseum under		6102 6103
1838			" "		6104
1839	Remnant edge)		11.3.2 N (regrowth S.)		6105 N
1840			11.3.27 (Colosseum)		
1842			Remnant 11.3.2		6109
1843			C. glaucophylla 8-12m MD		6110
1845			non-rem 11.9.7		6113
1846	Mapped HVR		Rem 11.3.2		6114/15
1847			Non-rem Iron formation	11.3.2	6116
1848			Tiny patch (gas pipeline)	11.3.2 regrowth	6117
1849	Mapped HVR		Rem 11.3.2		6118

Job..... Date..26/11/2020

SD22 (7) UNDERMINE

No.	Easting	Northing	Comments	Photo
1850			Rem (1 3·25 15m wide	6119
1851			Photo NE across crk to 11·3·2	6120
1853	Sdocart bank <Hollows FWM <native grass		Regrowth 11.9.7 non-rem non-functional	6123
1854			Epop 18m S, Tpun 12m MD – small gully	6124
1855			E mitchellii 7m MD	6125
1856			Rem 11·3·2 fringing 11·3·25.	6126
1857			" "	6127
1858			Rem 11·3·2 gravel road (young < Wilson)	6128
1859			Non-rem 11·3·2 (non-functional)	6129
1860			" " "	6130
1860	too small		Isolated patch bungalow Rem	6131
1861			Regrowth non-rem non-functional	6132
(1862)	?		" " "	6133
1862			narrow patch 11·3·2 in paddock to East non-rem non-functional	6134
1863			" "	6135
1864	(non-funct)		poss 11·9·10 & check batch 14m buffel under	6136
1866			Well head paddock	6139
1867			T1 Acacia Salicina 8–11·9m S LZ9 T2 E. mitchellii 5–8 I S	6140/1
1868			Acacia harpophylla 2–5m non-functional	6142
1869			" " E-pop V S	6143
1870			Edge remnant 11·9·10	6144
1871	FWM native grass fine litter		T1 9–15 12 MD C. cris Tpun, Epop (a) T2 6–9 7 S " " 5,3–6 4 V S E. mitchellii	6145/6 6147
1872			edge 11·3·2 11·9·10	

Job..... Date..... 26/11/2020

SD22 (8)

No.	Easting	Northing	Comments	Photo
1873			paddock (WELL + HEAD)	6148 NE
1874			Regrowth 11.9.10 non-functional,	6149
1875			non-functional regrowth.	6150
1876			paddock	6151 E
(1877)				
1878			11.9.10/7 Non-functional restricted to gully <10m	6154
1879			Functional 11.9.10 (SIZE ?)	6155/6
			T_1 5-9 7 S E. pop, C. crassa	
			T_2 3-5 4 VS. Alectryon div, Geyerapani	6157
1880			11 9	
1881			non-functional Regrowth 11.9.10	6158

Job.....

Date.....6

No.	Easting	Northing	Comments		Photo	
1894			cleared paddock		6176	N
1895			" "		6177	N
1897		5-7m	Acacia Shirleyi, Enabila 8m Emergent		6180	
1898	Rem	11.7.7	~~E~~ Eucalyptus 14-18m (16) ~~Eucalyptus~~ VS TZ Acacia analophylla? Shirleyi		6181	11.7.7
1899			Rem 11.7.7 South, paddock North		6182	N
1900	Remnant		E pop/melanophloia over Callitris		6183	
1901			Recently cleared paddock		6184	E
1902			E pop 5m VS, A doora 3m MD		6185	W7
1903			line mature E pop (tree wide)		6186	N
1904			Well — paddock		6188	NE
1905			gutthaway - paddock		6189	SW
1906			regrowth 11.9.7		6190	
1907	non-remnant		E. camaldulensis 12-16m non-rem		6191	N
1908			patch 11.9.2 Remnant structure		6192	
1909			11.9.10 patch 4 poplar	non-remnant	6193	
1910			11.3.25 rem		6194	
1911			paddock		6195	
1912			non-rem 11.9.7 E pop 8m VS over baffled		6196	

Job.....

Date..... 27/11/20

5022

No.	Easting	Northing	Comments		Photo
1913			Patch young Remnant Stringybark (no bngalow or Belah) 11.9.7 East fence		6197
			non-NAM non fuy edge/trail west fence		
1914			Regrowth 11.9.7 West fence	(no bngalow belah)	6198
1915			" " "	(no bngalow belah)	6199
1917			Acacia decora 2m MD		6202W
			Start 11.9.7 regrowth South		6203E
1918			gully Veg 11.9.10 narrow <1.5m		6204
1919			Emergent poplar in cleared paddock		6205
1920			T1 9-13 11m E. populnea/crebra(a) S		6206
			T2 6-9 7m Callitris glauca (S-MD)		6207
	FWM		LZ 9 (11.9.7 regrowth)		
1921	Remnant 11.7.7.		T1 Eucalypt 15m VS		6208
			T2 Acacia shirleyi 4-9m MD		6209
1922			Small patch 11.9.7 new relict		6210
1923			A decora 2m		6211
1924			11.7.2 north		6212
1925			Veg fringing gully non-fence		6213/14
1926			Increased regrowth		6215
1927			Clear fenceline 11.7.7 East		6216
1928			"	"	6217
1929					6218
1930					6219
1931			Encroached regrowth South boun		6220
1932	melaleuca		Bngalow regrowth <2m new fence		6221
1933			paddock		6222W

1195 yellow

Job.....

Date... 27/11/2020

5122 Reuben Downs

No.	Easting	Northing	Comments	Photo
1934			Fenceline west	6223
1935	rem good cond		T1 E nubila 16-22m VS T2 Acacia Shirleyi 9-14 13m MD 11.7.~~7~~	6224
1936/7			11.7.7 no 11.5.1	6225
1938			Rem Nubila 20m over Shirleyi 11.7~~.7~~	6226
1939			" "	6227/8
1940	Mapped HVR		rem 11.7~~.7~~~~.7~~	6229
1941			cleared fenceline LZ 7 over jump up	6230
1942	Mapped HVR		non-rem 11.7~~.7~~ T1 E. nubila 4-11 (8m) T2 A Shirleyi 2-4 3m	6231
1943			Rem 11.7.2 Rem good cond	6232
1944	(Stems not black)		Philotheca possibly P. sporadica	6234/5
1945			Well — open paddock	6236
1946	non-functional		(West of fenceline) Relict line Bngalow 16m <15m wide	6237
1948			End cristata (1 per 10) start Rem 11.9.7	6240
1949			Rem 11.9.7	6241
1950			Infrastructure — paddock	6242 (S)
1951	-end cristata		(Start cristata over fence of the paddock 11.9.10 functional	
1951	(overfence)		11.9.7 Relict Remnant good cond 30m wide	6243
1953			patch Remnant 11.7.7 South 300m	6244
1954			Remnant 11.7.2 (poor condition)	6245
1955			non-rem non-functional regrowth	6246
1956			gate — non-rem non-functional regrowth paddock	6247/8
1957	Rem 11.5.1		T1 14-18 16 E. carbyn S 8-14 10 E. carbyn, grey stringy H. Shirleyi red sand pisolith pebbles	62~~49~~ 6250

native grass
many
litter
decort bank
<hollows

Job..... Date....27/11/2020

SD22

No.	Easting	Northing	Comments		Photo
1958			CDZ - A Shirleyi 1-3m S		6251
1959			CDZ Rem 11.7.2 good cond		6252
~~1960~~	1963		CDZ disturbed 11.7.2 relict E. cobra no growth shrubs, bottom of jumpup		6253
1960			non-rem patch		6254
1961			" "		6255
1962			11.7.2 poor condition		6256
1964			Destroyed gilgai country		6257
1965			Scattered relict canopy trees non-functional		6258
1966			CDZ — track through paddock		6259 SE
1967			" " "	"	6260
1969			Acacia Shirleyi 8-10m MD		6263
~~1970~~			" " 4-8m MD		6264
1970	LZ5		E melanophloia 15m VS,	Callitris glauca 4/4 ~~Astrepla~~ 4-7m	

Job Boorabee 100 Date 23/11/20

No.	Easting	Northing	Comments	Photo
767	0723527	7059879	Not remnant totally bare Quarry mapped as NVR	5933 5934 5935 5936
768	0723542	7059910	Ac. decora not Remnat	5937
769	0723468	7059712	beginning of polygon A. radiorolon mapper as HVR. end of polygon	5938
770			beginning of polygon - waypoint 774 end of polygon -	
775			End of Polygon	
776			Extention of mapped NVR Polygon 11.95 hardpyllia	5843 5844
777			beginning of line end of line	
778	0723390	7059479	No NVR here Dominated by buffel	5845 5846
779	0723646	7059284	11.77 continues Creba not Codemnat Lanceolata still present	5848 5849 5847
780	0723688	7058952	NVR brigalow as mapped Extensive erosion Large % of canopy Drought death Large knoll in middle of Polygon	5852 5851 5853 5850 5854
781	0723544	7059516	NR Grand Dominated	5855 5856

Project Sheet No. Wilga vale

Date 24/11/20

No.	Photo	Easting	Northing	Comments
787	5877 5878	0724267	7054900	Narrow strip mapped as 11.7.2/11.5.1 is 11.7.2
788	5879 5880 5881	0722375	7060104	Mapped as NVR 5m wide strip on road to 14m tall casistata, Poplar, eatgt(1)
				5-8m wid 10
790	0723775	7063528	Plato 5887	Cas cri monoculture To 7m < 0.5 ha
791	Plato	0723824	7063625	Cas cri monoculture to 7m Line drawn round polygon < 0.5 ha
792	5888	0723503	7063306	Occasional emergent Poplar to 18 Min canopy 4-10 Eremophila mitchellii Mapped as NVR
793	5889	0723624	7063077	Cas. cri to 12m occasionally to 18m occasional 1om poplars NVR wilga + Eremophila in shrublayi
794	5890	0723855	7062894	Same NVR
795	5891	0724062	7062724	Same NVR
796	5892	724260	7062559	Poplar to 18m sparse understorey NVR

wilga vale 24/11/20

No.	Photo	Easting	Northing	Comments
798	5898	0724801	7062943	Dam
802	5915 5916	0725503	7063293	small patch - heavily disturbed Poplar, Eremophila mitchellii, Ac. salicina
	5917 5918			To 12m long open in middle
				Contains Ac. pendula
803	5919 5920 5921	0725250	7062844	Mapped 11.9.10 remnant Cas crista 10-12m occasional emergent cristata to 15 Dead Poplars common
804	5922 5923	-		NVR Patchy Poplar occasional emergents to 15m T. Poplar 9m
				Cas cri Erem mitchellii wilgai

Job... Boonderoo ..... Date 25/11/20

No.	Easting	Northing	Comments	Photo
805	0723345	7055505	Proposed works Not remnant cultivation	5924 5925
806	0724194	7058301	Proposed works Not remnant cultivated	5933 5934
807	0724523	7058702	Proposed works Not remnant cultivated	5935 5936
808	0724502	7057873	open regrowth eas.cri Poplar To 10m narow strips along watercourse NR	5937 5938
809	0724342	7059017	Top of ridge 11.7.7 E.fibosa nubila 13m E.crebra	5939 5940 5941
810	0724356	7059136	Proposed works NR cleared Pasture	5942 5943
811	0724646	7059166	Proposed works NR clear Pasture	5944 5945
812	0724992	7059478	Proposed works NR clear pasture	5946 5947
813	0725129	7059560	~~Remnant~~ NR in Bikini Remnant 11.7.2 in Wilga vale	5948 5949 5950 5951
814	0724804	7059008	Proposed works NR clear Paddock	5952 5953
816	0724734	7058926	Proposed works NR clear paddock and cultivation	5954
819	0722899	7059159	ove fence 11.9.5a Brigalow Remnant 12m Midcrest Cos cristata Present	5965

Bikini N
Bikini S
Wilga NE
Wilga SE

Job..... W. Igavah .....

Date..... 25/11/20

No.	Easting	Northing	Comments	Photo
823	0724981	7059797	Regrowth 11.7.2 Poplar crebra to 10m Cas cri. Callitris endlicheri	5971 5972
			Dense but mostly 3-5m Tall Mapped as NR	
824	0725455	7059745	Not NR Regrowth 11.72 seedling crebra open-cover <30 shrubs 4-5m Callitris present - 3-5m tall	5973
825	0726263	7059643	Not Rem 3-7m crebra Regrowth 11.72 poplar cas cri Cover <15% Callitris	5974 5975 E
~~826~~	~~0726432~~	~~7059832~~	Proposed lay-down →	
826	07[illegible]	7060032	NR Poplar 8m Cas Cri present	5976
828	0725366	7060399	NR Reg open regrowth 11.5.1 crebra intermediate to 11m	5982 5983
			~~Callitris Technanii~~ T2 5-7 callitris technanii Acacia shrubs	
829	0725397	7060756	Dam	5984
830 c	0725004	7060954	Proposed works Not remnant	5985 5986
831	0725935	7060356	Proposed works Not remnat - cleared pasture	5987 A
832	0727986	7060557	T1 crebra citriodora (regeneration) 8mhd T2 cas.cri, 3-5m NR	5988

Job... Wilgarvale ..... Date... 26/11/20

No.	Easting	Northing	Comments	Photo
834	0724288	7060942	NR callitris to 8m Sparse	5994
835	0724422	7060900	T1 shirley 5m callitris 6m NR	5995 5996
836	0724513	7060756	T1 shirley 7-9 11.7.2 No shirley logs T2 Cas rei - callitris 3-5m VS	5997 5998 5999
837	0723782	7060834	NR shirley 7-9m recently Logged VS Call 6m VS Cas 6m VS	6000
838	0723896	7060782	NR T1 shirley 7-9 S T2 call. casuarina 5-6 S recently logged	6001
839	0724939	7060389	T1 Poplar Casuarina 12-14 Sparse T2 Casuarina callitris Eucalyptus 8-10 Dense Lots of Drought death	6002 6003
840	0725043	7060544	T1 Poplar, creboi 10-11 Sparse T2 cas, callitris 4-6m Mid	6004 6005
841	0725323	7061030	NR T1 Poplar, Corymbia intermedia 8-9 T2 Corymbia intermedia, casuarina 7-8 callitris not dominant	6006
843	0725177	7061243	T1 Creboi 15m Rem T2 callitris 12m 11.51 S1 wilga as mapped	6012 East
844	0725059	7061113	E creboi 20m V T creboi, callitris, cas 6-9 S NR NR	6013 West
845	0724660	7061545	Emergent ~~callo~~ 18-20 Poplar creboi T1 Poplar 8-11 V S1 Eucalyptus callitris 2-5 G VS Aristida NR	6014
846	0724397	7061486	Emergents 18-20 creboi T1 7-10 Poplar callitris mapped HVR shrub absent	6015 6016

Job Wilgavale

Date 26/11/20

No.	Easting	Northing	Comments	Photo
848	0724779	7061814	Rem 11.7.2 T1 Crabs 16m T2 callitris, cristata 5-14 T3 callitris, bulloak	6022 west
849	0724522	7062182	E Poplar 1 E emergent 15m VS T1 Poplar 8-10 Mid T2 Callitris Eremophila 2-5 NR	6023 east
850	0724314	7062258	Proposed works Cleared paddock Low regrowth callitris eremophila poplar VS 4m tall	6024
851	0724224	7062095	Mapped NVR T1 Poplar 8-12 sparse T2 Eremophila, Geijera callitris Grevillea striata 3-6 m	6025
861	0723670	7061971	Rem 11.5.1 Emerg Crabs 15-18 V Eremophila Callitris T1 Crabs C. intermedia 8-10 Acacia mid dense Argophora leucopa Cassia midd Aristida acepulmidsae	6056 6057
862	0723457	7062116	Ragged fringe 0-5m wide brigalow 7-9 + Poplar 12-15 - lots of small stands without connection No patches over 0.5ha	6058 6059
863	0723256	7062879	thin polygon of 11.9.5a remnant Potentially contiguous with mapped Polygon on adjacent property brigalow 7-9 m No shrub or ground	6060
864	0723231	7063132	NR scattered callitris Crabs C. intermedia Acacia decora up to 18m	6061
865	0723714	7061618	11.5.1 emergent poplar + Crabs 23 T1 bulloak + callitris 12m	6072 6073

Job Wilgaiale

Date 27/11/20

No.	Easting	Northing	Comments	Photo
869	0723723	7061339	NR 5.8m Cas. cristata occasional Ac harpophylla 4-5m	6074 6075
870	0724190	7061361	Ram 11.7.2 T. shirleyi 13m crebra Dense Lots of fallen timber No trib collistris 2-6m Vs	6076 6077
871	0731016	7058374	NR Mapped as 11.3.25/11.3.2	
			Cleared area with 11.3.25 on southern edge >15m wide on watercourse	6078 6079
			11.3.2 on Northern edge ~ 5m wide	
872	0730913	7058457	11.3.25 <15m along watercourse on North. edge 2m high	
			11.32 on southern edge ~ ~5 m wide 18m tall	6081 N
			eplume at wetland on Southern edge <0.5ha Path centre of polygon cleared	6082 S
			patch of 6 myall 10m tall	6083 wetland
873	0730818	7055566	11.3.25 Remnant	6084
874	0730657	7058141	11.3.2 <0.5ha Poplar 17m Dominated by buffel	6085 6086

Job. Reuben downs

Date. 27/1/20

No.	Easting	Northing	Comments	Photo
875	073009	7654256	11.3.25 to north <0.5% Dominated by buttel 16-17m	6087
876	073068	7654612	very open 11.3.25 pm 15-18	6088
877	073062	7658754	11.3.25 pm 15-16	6089

Job Kenbun Downs

Date 30/11/20

Week 2

No.	Easting	Northing	Comments		Photo
202	wpt 879 0726586	7057176	T1 crebra 14-19 sparse T2 shirleyi 5-4 sparse 11.7.2 G Mid Aristida cal Aristachne		6095
203	wpt 880 0726437	7057185	T1 sparse 14-19 crebra exserta Melaleuca T2 sparse shirleyi 6-10 G M Aci cagot - Medusae		6096
~~204~~			Aristida calycina Aristrachne uncinulata 11.7.2		
204	wpt 881 0726492	7056999	T1 from previous sites missing T2 Dense crebra shirleyi 11.7.2	7-10m	6094
205	wpt 882 0726442	7057016	NR crebra 16-18 ~~x~~ very occasional		6098
206	0726535	7056838	Rem 11.7.2 T1 crebra 14-18 sparse T2 shirleyi 4-8 mid callitris inj T2 ~~T3 exserta~~ Philotheca myrt - common		6099
			Very rocky remnant		
~~205~~ 207	wpt 885 0726363	7056581	Same as 206 Poplar to 18m occasional bright ~~bright~~ mK		6106
209	wpt 886 0726780	7056420	Remnant 11.7.2 T1 crebra 17m sparse occ poplar T2 shirleyi callitris crebra poplar 5-8		6104
			Ac kelocarpa. Present Philotheca myrt 11.7.2 on slope		
210	wpt 887 0726841	7056999	shirleyi + crebra on Ridge line remnant 11.7.2	4-5m	6108

Job..... Date.....

No.	Easting	Northing	Comments		Photo
211	wpt 888 0723231	7056328	Shrubby 1 wit ~~exotics~~ exotics Rem 11.7.2 ridgetop	5-6m Dense	610 ~~610~~ 9
212	wpt 889 0727656	7056266	shrubby wit exotics 7-9 Rem 11.7.2 ridgetop		611 D
213	wpt 890 0727583	7056738	E Cabbage Tree 15m shrubby wit exotics 7-9 edge/top remnant 11.7.2		611
213	wpt 891 0727866	7056842	NR Poplar 6m ~~Gorse~~ Crisfield to 6m VS VS		612
215	wpt 893 0725299	7061618	11.3.25 remnant		618
216	0728185	7061219	11.3.25 Remnat E. microtheca present		619
217	wpt 895 0728124	7061099	11.3.25 canadolensis remnant		620
218	wpt 896 0729666	7060987	oxbow lake - wetland - watercourse remnat - NR		621
219	wpt 897 0729864	7060870	11.3.25 Remnat		622
220	wpt 898 0729808	7060961	11.3.25 Remnat		623

Job.....

Date.....

No.	Easting	Northing	Comments		Photo
M2	wpt@2	(M) r1 E complex/dense, E	populnea = 14-18m		matt
@2	0728866	7060370	(S) r2 E complex/dense, E populnea, G- bulbine grass, soil light brown clay 5-7cm	11.3.25	6273 6274
M3	wpt @3	(M) T1 E complex/dense, E populnea	= 16-22mm		matt
@3	0728838	7060164	(N) T2- E complex/dense, E populnea, E cassinia, G- bulbine grass, soil light brown clay 2-4cm	Cassinia 8-10m 11.3.25	6275
221	0728717 wpt 899	7060132	(N) T1 - Casuarina cristata, E mitchelli = 6-12m long linear feature, gutting in long 15m wide at its widest. Nearly all C.cristata in	low mitchelli	
			G - bulbine grass Soil light brown, dirty/clay		6124
222	0725946 wpt 900	7059986	C.cristata with a bit of bolgobrow and myall 7-11m (M) no real understory, some bulbine grass at edges linear feature, no more than 10m wide, grassy along and inside wall consistently		6125
224	0725798 wpt 902	7059956	~~C.cristata~~ as above with occ and bolgobrow and occasional myall and populnea.		6131
225	0725743 wpt	7060190 903	NR cnr of property		6132
226	0725718 wpt	7060343 904	NR 11.5.1 T1 Crebra 14-20 T2 callitris + hillock	NS 11.5.1 crebra 3-6m	
			Large crebras full of hollows. Left tube charred?		6133 6134
227	0725866 wpt	7060699 905	T1 E crebra 14-20m (VS) T2 callitris 3-6m (M) 11.5.1 crebra full of hollows		6135
228	0726280	7060996	E E Crebra 12-15m (VS) T1 A Shirleyi (8-12m (M) S1 - callitrus with A shirleyi (2-4m) (S)		
	wpt 906		11.7.2 to east of waypoint 11.5.1 to west of waypoint	~~east photo~~ 6136 east photo 6137 west photo 6136	

WGS 84

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Job..... Date.....

No.	Easting	Northing	Comments		Photo
229	0726357 wpt907	7060824	E E Crebra 14-20 (vs) T1 Callitris, E.cristata, ~~E~~ (3-6m) (M) ~~E crista~~ vilga, Petalo stigma, E.crebra		
			T1 dominated by callitris and cristata. HVC 11.5.1		6138
230	0726469 wpt908	7061136	E C Crebra: 14-20 (S) T1 - E crebra(d), cristo(sd) ~10m (M) S1 - E crebra(ed) cristo (callus) ~3m	11.5.1	6139
232	0726462 wpt909	7061174	Boundary between 11.9.5a and	11.9.10	
233	0726351 wpt 910	7061042	Boundary between 11.9.5a and	11.5.1	
254	0727024 wpt 911	7061509	11.9.10 as mapped in Burnside Poplar 10-14 S Brigalow 8 S cristata 6-8 Mid canopy		6144
~~255~~					
255	0727650 wpt 912	7061948	T ~~Left~~ Make poplar	11.9.10 as before	6145
			non remnant works to SE.	on Proposed	6146
256	0727894 wpt	7062120 913	Proposed works Not remnant		6147

Job..... Dunsborough

Date... 3/12/20

No.	Easting	Northing	Comments		Photo
263	wpt 926 0725949	7961072	11.7.2 N 11.5.1 S		6178 N 6179 S
264	wpt 927 0725949	7960922	Creek ~ 16-18m Cristata & Rostrata Poplar present	Dense	6181 6182 6183
265	wpt 926 6026	539	11.9.10 Poplar with some cribro and brigalow ~12m S/M dune Cristata & vulgaris underneath		6184 6185
266	wpt 0725999	929 7961592	11.9 Sm brigalow Cristata & vulgaris underneath	0m M	6186
267	wpt 0725926	930 7961676	11.9.5 North 11.7.2 west 11.5.1 South		6187 N 6188 W 6189 S
268	wpt 0725517	~~940~~ 931 7961719	11.9.5 brigalow 11.9.5 Cas. cristata	East 18m monotypic west 16m	6190 6191
269	wpt 0725537	932 7961760	11.9.5 monotypic 17m M.C dune	Cas. cri	6192
~~240~~	wpt 0725	932	vulgaris ~~cristata~~	+ cas cri under	
270		933	Brigalow S E Cas cri N	12m 15-16m	6193 SE 6194 N
271	wpt 934 0725806	7962190	Brigalow S Cas cri N		6195 S 6196 N
272	wpt 935 0725686	7961653	Brigalow S Cas cri N	9-12 6-8	

Scaled by

Job.... Burnside ..... Date.....

No.	Easting	Northing	Comments		Photo
273	wpt 0726099	936 7061550	Bagalow S Reg <1 N		6199
			Occasional poplars starting to appear		6200
274	wpt 0726026	937 7061462	rubra 11.5.1 Some poplars		6201
275	wpt 0725973	938 7061376	11.5.1 rubra		6202
276	wpt 0725932	939 7061224	7.2.1 Shrubby	10m	6203
278	wpt 0726549	9401 7061387	Bungalow 11.9.5 Mel	NW 10m	6214
279	wpt 9[illegible] 0727119	7061599	11.9.10 to NW Poplar 12-15 s/m Wilga under 3m Sparse		6215
280	wpt 946 0727451	7062507	poplar 8-12 (m) wilga under 3m (s) 11.9.10		6216
281	wpt 0727158	947 7062778	poplar 10-15 (m) wilga under 4m (s) C casuarina 10 [illegible] sparse 11.9.10		6217
282	wpt 0727310	948 7062586	poplar 10-15m (m) A saligna 6-8 (s) wilga under 3m (s)	11.9.10	6218
283	wpt 0727564	949 7062611	poplar 8-12 (m) calytrix 7-10 (m) wilga under (3m) 11.9.10		6219
284	wpt 0727445	950 7062413	as above 11.9.10		6220

Job..... Burnside ..... Date.....

No.	Easting	Northing	Comments		Photo
285	wpt 951 0727005	7062890	E. poplar = 10-14m (m) C. crystata = 9-12m (s) a. decora = 2-3m (s) wilga = 2-4m (s) e. mitchelli 2-4m (s)	11.9.10	6221 6222
~~282~~ 286	wpt 0726783	952 7062891	as above	11.9.10	6223 6224
287	wpt 0726402	953 7062858	E poplar = 8-12m (m) C. crystata 8-10 (s) myall - 6-8 (s) E mitchelli 2-5m (s)	11.9.10	6225 6226
			wilga = 2-4m (vs)		
288	wpt 9541 0726232	7062833	E. poplars = 8-10m (m/s) C. crystata = 8-10m (m/s) A. harpophylla 8-10m (m/s) E mitchelli 2-5m (m/s)		6227
			wilga - 2-4m (m)	11.9.10	
289	wpt 955 0726091	7062965	E poplars 8-14m (m) C. crystata - 6-8m (m/s) wilga = 2-4m (s) ~~E mitchelli 4-6m (s)~~		6228
			A. salicena = 5-7m (s)		
290	wpt 0725875	956 7062921	E poplars 8-14m (s) C. crystata 8-12m (s) E mitchelli 4-6m (s) wilga - 2-4m (vs)	A. harpophylla 8-12m (s)	6226
291	wpt 0725717	957 7063004	non remnant.		6227
292	wpt 0725618	958 7063006	A harpophylla 8-12m (m) A harpophylla - 0.5-2m (s) wilga up to 3m (s) polygon starts at 958 ends at 959	11.9.10a	6231
			A harpophylla saplings in a ring around edge of polygon. signs of regrowth/expansion		

Job..... Date.....

No.	Easting	Northing	Comments		Photo
293 ~~308~~	wpt 0725301	960 7062950	E poplar 8-10(s) C cristata 8-10 ~~(s)~~ (m/s) E mitchelli - 3-6m(s) wilga - under 3m (vs)	11.9.10	6232
294	wpt 0725846	961 7063401	~~(wpt 9 ~~(s)~~)~~ E melanophloia (9-14m)(s) C cristata 6-8(s) wilga - 3-6m(vs) E mitchelli	11.3.2 ??	6233
295	wpt 0725945	962 7063474	E melanophloia 10-14m(s) A harpophyla 8-12m ~~(s)~~ E populnea 10-14m(s) calytrus 6-8m(vs)		6234 to 6236
~~296~~			C cristata 6-8m(vs) wilga 4-8m(vs) E mitchelli 4-6m(s)		
			brigalow appearing to see wpt. E melanophloia appearing from wpt 294 may be indicative of 11.3.2 ~~(s)~~ (but harpophylla is not fitting)		
296	wpt 9163 0726150	7053616	E poplar - 8-10m(s) brigalow - 7-12m(s) calytrus 6-8m(s) wilga 3-6m (vs)		6235 6236
			E mitchelli 2-5m(s) C cristata 4-6m(s) indicative of 11.9.10		
297	wpt 0726432	964 7063905	E poplar 8-12m(m/s) C cristata 6-10(s) wilga 4-7m(s) E mitchelli 3-6m(s)	11.3.2	6237
298	wpt 0726490	965 7063849	E melanophloia 24m(emergent) E melanophloia 8-16(s) E populnea 8-12(s) wilga 5-9(s)		6238
			E mitchelli 2-4(~~vs~~s) 11.3.2		
potential early regrowth 300	wpt 9169 0726665	7064032	E. populnea 2-5m saplings regrowth		6244 to 6245 south
			remnant poplar 8-10m tall to the east of wpt		6246

Job..... Date.....

No.	Easting	Northing	Comments		Photo
301	Lpt 0726674	970 7063862	poplars 10-14m with mitga up to 3m E mitchelli 3-6m	remnant / not HVR on fringe	6247
302	Lpt 0726734	971 7063699	as above	remnant / not HVR on fringe	6248
303	Lpt 0726978	972 7063455	low sparse regrowth of E populnea 1-3m tall		6249
304	Lpt 0727015	973 7063379	advance regrowth of poplar and E melanophloia up to 6m tall 11.3.2 fringing [illegible] HVR		6250
305	Lpt 0727143	974 7063281	poplar 10-12m tall with mitga 2-5m [illegible] RE 11.3.2		6251
306	Lpt 0727219	975 7063224	low sparse regrowth of E populnea 1-3m tall and mitga		6252
307	Lpt 0727261	976 7063178	E poplar and [illegible] small patch of HVR with sparse poplar closing [illegible] upper [illegible]		6253
308	Lpt 0727427	977 7063043	low sparse regrowth of poplar and river red gums 0.5 to 2.5m tall [illegible] to 11.3.2		6254
310	Lpt 0727434	979 7061104	11.3.25 rem		6260
311	Lpt 0727403	980 7061165	11.3.25 rem Corymbia watsoniana 33m	Angophora floribunda	6261
312	Lpt 0727206	981 7061165	11.3.25 rem NW wetland 11.3.25 NE - [illegible] crown		6262 NW 6263 SE
315	0726933	6974265	11.3.25 Rem		6269
316	0727031	7066289	NR Pipeline through mapped 11.3.2		6270

4/12/20

Job Burnside

Date 4/12/20

No.	Easting	Northing	Comments		Photo
317	0727730	7062629	11.3.2 remnant Patchy	0-12m	6271
318	wpt 0728770	991 E 7060999 T T T	E camaldulensis - Emergent 25 (S) T1 - 12-24 (S) E melanophloia - 12-14 (VS) A floribunda - 12-14 (VS) poljga starting at 991	at t1 co dominant	6277
			E paplar - 12 (S) ~~buffer~~: G - dichanthium sericeum - (~~VS~~) C G - eragrostis ~~falax~~ gold grass - (~~VS~~) C		
			Gr - gosthriochloa bladiaii - C G - lentochloa digitata - C	all grasses co dominant	
			long dense logs of grasses around depression of ephemeral wetland trees fringing		

WK3

Job Wyalla

Date 14/12/20

No.	Easting	Northing	Comments		Photo
401	wpt 0729953	992 7059855	11.3.25 Canal/dilarsis 12m 1 tree wide	Mod bracteata 5m	6284
402	wpt 0729986	993 7059966	11		~~6285~~ C1
403	wpt 0729945	994 7060046	11		C2
404	wpt 0729937	995 7059984	11		C3
406	wpt 0730579	997 7059900	E.cebra 6-8m, Cal glaucophylla 6-8m-T(m) C glaucophylla 3-6, E mitchell. 3m (T2 m) C.glaucophylla 0.5-1.5, macrozamia sp 1m (S1 11.3.7		6289 6290
407	wpt 0730615	998 7059975	Acacia shirleyi 5m, Cal. glaucophylla 5m (T1 us) la. glaucous, large pinkish [illegible] fruits, mostly E.mitchelli and brigalow. top of ridge, mitchell).		6291
410	wpt 0730770	1002 7060055	Callitris sparse 7-9 - Poplar Ac. leiocalyx, Poplar - 5-6 mid dense Ac. Melvillei? Eebra 12m emergent		6307 6304
411	wpt 0730852	1006 7060206	E cebra emergent to 16m (s) E cebra and A shirleyi 7-15 return 10-11m (m) 11.7.2		6320
415	wpt 0732530	1009 7060309	E cebra emergent to 15m (S) Emerg E populnea, E cebra to 10m (T1) AcCas lunata, Callitris upto 6m (T2) Wilga upto 3m (S1) likely. 11.5.1		6326
416	wpt 0732581	1010 7060322	as above plus E. chloroclada 12m (assoc) likely 11.5.1		6327
417	wpt 0732521	1011 T1 7060290 T2 S1	E cebra to 12m, E melaphloia (12m assoc) E cebra, callitris, bullock up to 7 Wilga upto 3m still likely	1.5.1	6328
418	wpt 0733020	1012 7060366	E cebra upto 8-10m (T1) callitris and bullock 6-8m (T2)		6329

Job..... Date.....

No.	Easting	Northing	Comments		Photo
419	wpt 0733016	1013 7058956	A shirleyi up to 11m (T1) E crebra, Ashbyi up to 8m (T2) also A contorta callitris up to >7m (T2)		6330
			Acacia burrowii/spp silvestris?, wilga up to 4m 11.7.2.		
422	wpt 0732742 7059386	1016	11.7.2 Remnant to west in gully Shirleyi 6-10m	Mid dense	6342
424	wpt 1017 0732749	18 7058946	Callitris Low regrowth 4-5m Possibly 11.3.2 - canaldulensis just down slope		6349
425	wpt 1019 0732665	7058458	11.3.2 advanced regrowth Poplar - melanophloia 6-9m Mid dense occasional canaldulensis to 9m		6350
426	wpt 1020 0732539	7058442	Call glaucophylla s/md 4m as above		
427	wpt 1021 0732232	7058789	as above		
428	wpt 1022 0731991	7057825	NR not regrowth		6351 6352
429	wpt 1023 0731744	7059036	regrowth callitris 4-6 Mid dense occ crebra 8-9m mixture of sand areas & rocky areas		6353
430	wpt 0731428	1025 7060662	Remnant 11.7.2 to N Shirleyi 12m Dense 11.5.5 regrowth		6360
431	wpt 0731411	1026 7060623	11.5.5 advanced regrowth dawsonii 11-13m Bull oak	Mid dense	6361

Job..... Date.....

No.	Easting	Northing	Comments		Photo
432	wpt 0731577	1027 7060310	E. chloroclada - 8-10m (T1, S) E, popolnea 12m (T1, S) E. chloroclada, bulloak, 5-8m (T2, M) wilga T3m (S1, S)	11.9.S advanced regrowth	6362
433	wpt 1033 0729321	S 7060486	ephemeral wetland No fringing veg.		6368 N 6369 S
434	wpt 1036 0728791	7061051	Regrowth along watercourse NR Poplar to 8m & Acacia sp		6370
436	wpt 1038 0728173	7064931	proposed works not remnant 100% buffel		6376
437	wpt 1039 0728435	7065248	bargalow up to 12m (E) vs, also Cas cristata up to 6m bargalow up to 6m dominant (M) wilga and atalaya hemiglauca up to 4m (S)		6377
			both sides of road the same * buffel understory dominated	11.9.S	
438	wpt 0728694	1040 7065392	proposed works within paddock not remnant cleared field.		6378 6379
439	wpt 0728853	1041 7065513	proposed works within paddock on Strathdon property dirt road with fringing buffel		6380 photo to south.
440	wpt as above	1041	proposed works across road. both sides of road contain bargalow and C. cristata up to 12m (sparse) bargalow and E. microtheca up to 6m (sparse)		6381
			Atalaya hemiglauca and wilga up to 4m x buffel understory dominated	11.9.S	photo to south
441	wpt 0728957	1042 7065604	proposed works in paddock not remnant 100% buffel		6382
442	wpt 0729272	1043 7065832	bargalow and C. cristata up to 12m (sparse) sub canopy of bargalow E. microtheca, C. cristata wilga, A. hemiglauca up to 8m both sides of road	11.9.S	6383 to south 6384 to north

Job..... Date.....

No.	Easting	Northing	Comments		Photo
443	wpt 1044 0730445	7066371	proposed works in paddock not remnant, all buffel and a little native citrus		6385
444	wpt 1045 0730448	7066618	as per site number 442 brigalow dominated on both sides of road 11.9.5		6386 north 6387 south
445	wpt 1046 0730936	7066911	proposed works. in paddock not remnant buffel and road		6388
446	wpt 1047 0731184	7066923	proposed works in paddock already works taking place		6389
447	wpt 1048 073199	7066922	proposed work in paddock farm tracks with buffel all around		6390
449	wpt 1051 0732033	7065205	proposed work in field in paddock with buffel not remnant		6396 west over work
450	wpt 1052 0732213	7065443	as ~~above~~ above not remnant our works		6397
451	wpt 1053 0732300	7064743	as above not remnant on proposed works		6398
452	wpt 1055 0733055	7064224	brigalow and C. cristata up to 11m with lots of smaller brigalow 3-6m understorey. A. leiocalix and wilga up to 3m, not abundant. dominant buffel grass present		6404
~~453~~			plot approx 20m wide, however fence runs through middle, with plot clearing approx 1m either side of fence. 11.9.5		
453	wpt 0733279	1056 7063906	proposed works cultivated paddock not remnant		6405
454	wpt 0733523	1057 7063556	C. cristata up to 12m, sparse some brigalow and wilga + [illegible] up to 4m buffel grass dominant 11.9.5		6406

end of potential polygon connecting site 452.
proposed work to south of site 454 — photo 6407

Job..... Angry Jungle.....

Date..16/12/20

No.	Easting	Northing	Comments		Photo
458	wpt 1062 0727657	7063260	11.3.2 remnat	Poplar to 16 Occasional brigalow Melaleuca Rest	6423 6424 6425 6426 6427
459	wpt 1063 0727654	7063207	11.3.25 remnat	Canopy less than 20m 1 tree wide	6428
463 ~~464~~	wpt 1068 0730756	7064648	~~not~~ Paddock Proposed works		6453 N 6454 W
465	wpt 1070 0731438	7065127	Proposed infrastructure NR Paddock		6460 N
466	wpt 1071 0731553	7064992	Proposed works NR Paddock		6461
467	wpt 1072 0732118	7065060	Proposed works NW Track NE	NR Paddock	6462 NW 6463 S
468	wpt 1073 0731107	7064706	Proposed works NR Paddock	Strip of brigalow 6m high along fence 15m wide	6464
469	wpt 1074 0730630	7064012	Proposed works cultivation		6465
470	wpt 1075 0730973	7063936	Proposed works Cleared Cultivated existing	tracks	6466 6467 S
471	wpt 1076 0732296	7063531	Brigalow 5-6 patch narrow NR		6468
473	wpt 1077 0732387	7062981	NVR Casuarina 10m sparse Poplar present eucalyptus and mulga 3-6 under		~~6474~~
			Ground Mid canopy Buffel with clumps Mapped NVR		

Brigalow edge 6m

Job.....

Date.....

No.	Easting	Northing	Comments		Photo
474	wpt 1080 0732363	7062622	NVR 6-12m brigalow Poplar [illegible] log open	Very Sparse	6475
475	0732277	7062855	Chinese duck Farm		6476 6477 6478
476	wpt 1082 0732160	7062997	Same as adjacent mapped	NVR	6479
477	wpt1083 0732970	7063013	NVR as mapped Poplar [illegible] casuarina on 5-9m Mid-storey Ground [illegible] space		6480
478	wpt 1086 0732725	7063261	NVR at this point gap between bits	no retained	6486
479	wpt 1091 0732444	7063481	NVR 15-20m wide Narrow strip brigalow casuarina	7-8m	6487
			no shrub layer Ground 100% buffel		
480	wpt 1089 0732574	7063469	Brigalow casuarina ground 100% buffel log open	Sparse 5-7m not mapped	6488
			Patchy		
481	wpt 1090 0732171	7064044	Proposed works NVR		6489
483	1092 0733570	7063476	Proposed works Paddock		6495
484	1093 0730857	7063350	Proposed works Paddock		6496

Job..... Angry Frog.....

Date..... 17/12/20

No.	Easting	Northing	Comments		Photo
485	1094 0730464	7062965	NR Patches too small to map brigalow to 7m		6497
			Ground rough baked		
486	1095 0730445	7062544	Proposed works cultivation		6498
487	1096 0730396	7062546	Brigalow 7m mid storey ground layer 100% buffel ~50m wide NVR?		6499
489	1098 0730349	7062556	Dam to S		6505
490	1099 0730167	7062239	NR		6506 S
491	1100 0730121	7062163	NR		6507 S
492	1101 0730532	7061647	Brigalow to 10m very open NR Poplar to 14m	Not remnant not mappable	6508 S
493	1102 0730532	7061693	very open occ brigalow & Poplar m Eremophila		6509
494	1103 0731161	7060818	Proposed works Paddock		6510
496	1105 0730551	7062162	11.9.5 remnant		6516
497	1106 0730438	7062135	Proposed works Paddock occ poplar occ brigalow		6517

Company meeting with Jacqui

Job..... Angry Jungle .....

Date..... 17/12/20

No.	Easting	Northing	Comments		Photo
500	1111 0729773	7063655	NR TOW Not mapped		6528
501	1112 0729558	7064149	NR TOE Not mapped		6529
502	1113 0729463	7064338	Proposed works Paddock		6530
503	1114 0729478	7064616	HVR Bungalow 6-8 Mulga under	Middense	6531
504	1116 0729478	7064712	Proposed works Cultivation		6537
506	1117 0729430	7064790	11.9.5 Remnant Bungalow 5-9 Mid-dense Cas. cri 5-9 Ground ~~absent~~ - Sparse buffel		6538
507	1118 0729113	7064285	HVR Cassia	Bungalow 7-12m Sparse	6539
506	1119 0729059	7064390	11.9.5a remnant 6-9 m Mid dense Mulga shrub layer 2m Cas. cri in tl		6540
			Ground sparse	Buffel	
509	1120 0727528	7063965	11.3.2 remnant Popla on spore		6541
			Canadidensis, Tree mid on watercourse	20m high	6542
510	1121 0727611	7063920	mapped 11.9.5 / 11.9.6 Canopy mostly dead		6543

occ. Poplar
occ. bungalow
occ. Myall
Canopy mostly mulga + Eremophila 2-5m middense

Not remnant

14/12

Job..... Angry Jungle.....

Date..... 18/12/20

No.	Easting	Northing	Comments		Photo
S11	1122 0727885	7463794	11.9.10 Poplar 8-10 sparse Middenie vulgare & eremophila 2-5 Brigadow 7-9 sparse		6544 6545 6546
S12	1123 0727920	7463889	Mapped 11.9.5/11.9.10 NR Poplar 15m V sparse Brigadow 5-9 V sparse		6547 N 6548 S 6549 E
			No shrub layer		6550 W
S15	1126 0727979	7463181	11.9.10 Poplar 12-14m SP Brigadow 8-10 VS Eremophila vulgare Sally SP		
			Gourd buffel Polygor nealled Cas cri 10-12 present		6561 6562
S16	1127 0728025	7463122	Very sparse 11.9.10 Poplar 2-5	Eremophila vulgare	6563
			Mapped as remnant edint		6564 N 6565 S 6566 E 6567 W
S17	1128 0727971	7463128	11.3.12 Poplar 17m s/m vulgare VS 2m		6568
S18	~~1124 0727755~~	~~7463~~	~~11.9.10~~		

Job.....

Date..... 12/12/20 and 18/12/20

WK3(3)

No.	Easting	Northing	Comments		Photo
M1 @5	0729970	7059820	(V) E. camaldulensis - 18-20m (S)T1 - E. camaldulensis, Callitris glaucophylla 6-8m sandalwood - 6m	11.3.25	20200[illegible] 144900
M2 @6	0729913	7059742	(S)T1 - E. camaldulensis (diam 14-18m) Casuarina (ass 10 m) (S)T2 - sandalwood - 5-5.5m (S)S1 - Wilga - (1-4m diam) native orange (2m ass)	11.3.25	20201204- 144900
M3 @7	0729956	7059603	(S)T1 - E camaldulensis (diam 14-18) (S)T2 - E populnea (diam 8-10m) casuarina (5m ass) (V)S1 - Wilga (1m ass)	Wilga (8m ass) 11.3.25	11 145749
M11 @8	0730139	7059479	(S)T1 - E. camaldulensis (diam 14-18) (S)T2 - E. populnea (diam 6-12m) casuarina (sub 4-6m) callitris (ass 6m)	11.3.25	11 150737
			Sandalwood (sub 4-6m) (V) S1 - casuarina (1-2m) E. populnea (1m)		
M5 @9	0730214	7059318	(S)T1 - E. camaldulensis (diam 14-20m) (S)T2 C. viminalis (4-7m diam) wilga (4-6m sub diam) (V) S1 C. viminalis, wilga (50cm-1m)	11.3.25	11 151537
M6 @10	0730192	7059152	(S)T1 - E. camaldulensis as above	11.2.25	11 151955
M7 @11	0728304	7061693	E camaldulensis up to 10-27m E melanophloia up to 5-20m Casuarina cristata C. viminalis upto 1.5m, E camaldulensis small 0.5-1.5m		20201218- 071318
			start of creek from road. field/paddock to east side all start of creek trail 11.3.25		
M8 @12	0728733	7061908	as above. narrow band along creek/paddock to sides 11.3.25		11 072500
M9 @13	0728181	7062161	as above 11.3.25 paddock to sides		11 073147 073150
M10 @14	0729217	7062302	as above paddock to [illegible] sides	11.3.25	073607 073610

14.12.2020

18/12/20

Job Angry Jungle

Date 18/12/20

No.	Easting	Northing	Comments		Photo
M20 @24	0727786	7063345	creek same as M19 to west - poplar, E.m.tchelli, casuarina up to 10m - 11.3.2 to east is 11.9.5 mosaic polygon to edge of creek		N 085 304 S 085 307 E 085 314 W 085 317
M21 @25	0727673	7063418	creek as above 11.3.25 to west and east adjacent to creek - 11.3.2 poplar dominated up to 14m		N 085 912 S 085 921 E 085 929 W 085 931
			melaleuca up to 14m m.tchelli up to 6m wilga up to 3m		
M22 @26	0727567	7063727	as above creek 11.3.25 adjacent to creek as above 11.3.2		N 090 816 S 090 819 E 090 822 W 090 825
M23 @27	0727500	7063829	as above for creek 11.3.25 and adjacent to creek 11.3.2 creek track ends at wp @27		N 091 143 S 091 149 E 091 151 W 091 154

Job Angry Jungle

Date 18/12/20

No.	Easting	Northing	Comments		Photo
M11 @15	0728200	7062472	same as M10 along creek 11.3.25 both mis adjacent to creek as follows E populnea and E melanophloia 12-20m		N 074417 S 074421 E 074426
			Casuarina up to 10m wilga up to 6m 11.3.2 either side of creek		W 074428
M12 @16	0728173	7062636	same as above along creek 11.3.25 paddock to west of creek with E populnea and melanophloia casuarina		N 075120 S 075124
			but not remnant can be seen easily enough on google maps		E 075132 W 075135
M13 @17	0727322	7062569	potential area (green) E populnea and melanophloia wilga up to 4m	up to 16m	N 075847 S 075850
			E. microtheca up to 6m small clusters of trees in large clear areas throughout but not remnant		E 075853 W 075858
M14 @18	0728419	7062669	potential area (green) C. cristata 10-16m (dom) E populnea 8-12m (sub) E microtheca 4-5m wilga up to 3m sparse woodland, open in centre with only fringing trees, not remnant.		N 080543 S 080545 E 080549 W 080552
M15 @19	0728156	7062805	same as M12 along creek paddock to west of creek not remnant same as M14		N 081434 S 081437 E 081441 W 081444
M16 @20	0728822	7062842	potential grass area - sparse, small area E populnea up to 12m, bolgabow up to 10m C cristata up to 10m, wilga up to 4m not remnant	E mitchelli up to 4m	N 081720 S 081724
M17 @21	0728001	7062921	Creek E camaldulensis 12-27m tall casuarina up to 12m, C cristata up to 10m, wilga up to 3m 11.3.25 paddock to west to east - bolgabow, poplar, wilga, mitchelli		N 082943 S 082950 E 082953 W 082958
M18 @22	0727824	7063043	creek as above but also E. melanophloia up to 18m paddock to west to east is poplars up to 15m, casuarina up to 8m wilga to 6m 11.3.2		N 083850 S 083853 E 083856 W 083900
M19 @23	0727623	7063066	as above except road to west creek 11.3.25 to east 11.3.2		N 084407 S 084412 E 084415 W 084419

WK4

Job.....

Date.....8-2-21

No.	Easting	Northing	Comments		Photo
1130	0731139	7058361	11·3·25 7–12 canaldelensis	bridgelow Present	6574
1131	0731053	7058495	11·3·25 8–14 canaldelensis myall present	tree wick	6575
1132	0731222	7058544	11·3·25 8–13 canaldelensis Poplar Present Cristata present		6576
1133	0731434	7058672	11·3·25 12–15 canaldelensis Poplar present red blush present		6577
1134	0731710	7058692	11·3·25 8–15 canaldelensis Cristata 6–8 present		6578
1135	0731953	7058893	11·3·25 10–14 canaldelensis Poplar – Present		6579
1136	0732228	7058903	11·3·25 10–13 canaldelensis Poplar present	10–2	6580
1137	0732216	7059274	11·3·25 12–15 canaldelensis Poplar present 8–10 cristata 5–6		6581
1138	0732191	7059095	11·3·25 12–20 canaldelensis cristata 4–5 Present VS		6582
1139	0732442	7059098	11·3·25 14–16 canaldelensis poplar 8–10 VS		6583
1140	0732549	7059170	Dam? oxbow? 12–23 canaldelensis Polygon dam		6583 4 5
1141	0732746	7059209	Oxbow – dieback no water no aquatic plants Phragmites around		6586

No canopy

Job..... 2 Date..... 22-21

No.	Easting	Northing	Comments		Photo
1142	0733115	7058135	11.3.25 candidensis MD 10-17 Populus crister proud		6587
1143	0733190	7058134	11.3.25 candidensis MD 16-18 Popla Proud		6588
1144	0733618	7058095	11.3.2? cristata candidensis 5	15-17m D Proud	6589
			callitris glaucophylla 9-11 m Popla 12-14		6590
1145	0733654	7057955	NR		6591 N 6592 S
1146	0733944	7057957	11.3.2 Popla m cristata 5	8-14 11 S	6593
1147	0733936	7057854	11.3.25 candidensis cristata	14-18 M 6-10 m	6594
1146	0734194	7057629	11.3.25 candidensis	15-20 m	6595
1149	0734351	7057517	11.3.25 cancal	10-13	6596
1150	0734422	7057468	Dam fringe cand	10-13	6597

Job Humpty Hill Date 9-2-21

No.	Easting	Northing	Comments		Photo
11.5.1	0732785	7059129	11.3.2 regrowth Casuarina 2-5 m	M 4-6 m	6598
11.5.2	0732781	7059196	NR 11.5.1 crebra	VS 2-4 m	6599
11.5.3	0732907	7059081	Rem 11.5.1 crebra S-MD	10-16	6600
11.5.4	0732860	7059502	11.5.1 crebra callitris	10-14 M 2-6	6601 N
11.5.5	0732941	7059598	11.5.1 crebra Callitris	10-14 M 4-7	6602 N
11.5.6	0733523	7060640	11.5.1 Crebra Bulcke underst	10-17	6608
11.5.7	0733646	7060724	11.5.1 crebra occ. lancewood sl mulga	14-16 8-5	6609
11.5.8	0733753	7060774	11.7.2 Shrubby	D	6610 N
11.5.9	0733824	7060788	11.5.1 crebra	12-16	6611 N
11.6.0	0734030	7060849	Shrubby 10m-12 A Crebra Poplar	11.9 16?	6612
			Cas cristata 5-12 mulga 2-4		
11.6.1	0733535	7061119	crebra 11.5.1 5 Cristata Callitris	12-15	6613

Job Numpy

9-2-21

Date

No.	Easting	Northing	Comments		Photo	
1162	0734201	7061790	10-12 Crataegus 11.5.1 Callitris Betula 4-6		6614	E
1163	0734493	7061916	10-12 Poplar Mod callitris 5-10	To nor R	6615	E
1164	0734495	7062199	11.5.1 Crataegus 12-12 Poplar sub dominate Thazeliana ? Pasture		6616	N
			Cratae 6-8 Mapped as 11.9.6			
1165	0735359	7062116	NR Poplar 8m V callitris D 4-5 Ac. decora Bursaria viscosa		6617	S
1166	0735239	7061975	Melaleuca with Poplar 6-10 11.9.7?		6618	
1167	0735163	7061023	Crataegus advanced regrowth 5-7m Biocondition done			
1193	0735111	7060950	NR No cover		6629	S
1194	0735061	7060545	NR No cover		6630	S
"	"	"	Poplar low regrowth callitris 5-	5-8	6631	W
1195	0735496	7060381	NR No cover		6632	E
1196	~~0735496~~ 0735762	7060741	Tessellaris intermedia 14m Callitris 8-12		6633	

Job Hunky

Date 9-2-21

No.	Easting	Northing	Comments		Photo
1177	0736148	7061142	end of corymbia patch T Lozetum in it	from 1176	6634 W
1179	0735910	7060359	11.5.1 Advanced regrowth Corymbia emergents Poplar 6-7m	6m	6640
			callitris glaucophylla 4-6m		
1180	0734607	7060484	NR No cover		6641
1181	0734496	7061065	11.5.1 Corymbia 16-18m VS callitris 5-6m		6642
1182	0734414	7062134	11.5.1 Corymbia 12-14m callitris 6-9 Corymbia present		6643
1183	0734354	7060438	Dar N.R No cover		6644 W
1184	0733880	7060121	NR		6645 S
			11.5.1 corymbia on both sides 10-14m callitris under		
1185	0733643	7059743	NR No cover Not functional Semma		6646
1186	0733567	7059375	NR not functional		6647
1187	0733404	7059337	Lancewood 8-10m Poplar present		6648 S

N.R NR No cover

Job: Kemps gully

Date: 9/2/21

No.	Easting	Northing	Comments		Photo
1179	0733076	7057344	Larcewood 10m M Melcophlois 10-14 11.5.5?		6649 N
			N.R		6650 E
1180	0733568	7059018	Crebra 8-10 Callitris 4-6 Larcewood Pocket		6651 W
1181	0733650	7058983	NR crebra 5-6 S Ac decora 2.5-3 M		6652
1082	0734261	7058804	NR Casuarina - recently pulled		6653
1083	0734292	7059294	Mapped 11.9.5 recently pulled No cover NR	N E S W	6654 5 6
1084	0734016	7059035	Not mapped Records pulled Mapped correct	E W S 6659	7 8
1085	0734836	7059183	Mapped as correct Not correct no cover not mapped to west	6660 6661	E
1086	0734965	7059917	Crebra 14-16 m S 11.5.1 Callitris 4-6		6662 W 3
			East NR mapped as 11.5.1 No canopy		6662
1087	0736508	7059456	Poplar 10-16m Rem Buffled under		6663 S
1088	0736284	7058693	11.5.5 mel Thozelaa 7-10m open woodland Callitris mid 6-8m		6665

Job.....

Date..... 9-2/21

No.	Easting	Northing	Comments		Photo
~~1201~~ 1202	0735787	7058783	11.3.2 poplar 12-13 m canaliculatus forest gallicus under 5-7		6696 S
1203	0735452	7058980	NR low regrowth buffel und		6697 W
~~1204~~					
1205	0735274	7058918	NR		6693
1206	0735100	7058946	11.3.25 canaliculatus 8-10m 11.3.2 poplar 10-14m	VS 14m to end	6695 6695
1207	0734988	7059010	11.3.25 canaliculatus Narrow	16-18m	6696
~~1208~~ 1208	0738114	7058823	11.3.2 Poplar 14-18 mulga under		6687 W
1209	0738940	7058655	11.5.5 Poplar Melaleuca		6688 W
1210	0739018	7059240	11.3.25 25m Natural Reset mel VLM in bed 6m		6689
1211	0739220	7058400	11.3.25 canaliculatus mel VLM in bed	22m 6-7m	6690
1212	0738897	7058620	11.3.25 canaliculatus mel VLM in bed	25m 6-7	6691
1213	0738911	7058993	11.3.25 canaliculatus melvlm in bed	24 6-7	6692

10-2-21

.285 .041

bit of a bias to bit

Job.....

Date...10-2-21

No.	Easting	Northing	Comments		Photo
1215	0735571	7058965	Cas cristata 6-7m Dense 12m wide ~5cm long linear dune cover and		6694
1216	0738424	7058934	11.3.25 Semi dense wet viminalis Ang-Flor. Pasture	22-24	6700
1218	0735496	7059040	Cas cristata mixed with Pebbles 5-10	5-7 Medium occ	6701
1219	0735404	7059170	11.3.25 Semi dense Medium in bed Pasture	22-26	6702
1			Roseland Pasture Concrete man hole Fenced		6703
1220	0738404	7059554	11.3.25 Rem		6704
1221	0738415	7059974	11.3.25 Rem Ang-Flor. borda	common	6705
1222	0738481	7060166	11.3.25 Rem	11-17m	6706
1223	0737900	7060442	11.3.25 Rem	12-15m	6707
1224	0737863	7060213	11.3.25 Rem	20-22	6708
1228	0728019	7061556	11.9.25 Brigadoon unmapped Poor condition Brigadoon VS 8m		6719 E
			Brodgeton 5m Ennaphila vulgaris		

Ground loose buttercup

Job.....

Date.....10-2-21

No.	Easting	Northing	Comments		Photo
1234	0734912	7655237	11.3.25 Remnant Candidiasis to 16m		6736
1235	0735127	7655341	11.3.25 remnt candidiasis to 20m		6737
1237	0734817	7655484	11.3.25 remnt 20m candidiasis fringe of cc/ crustose	10m mod	6738
1239	0734588	7655332	11.3.25 remnt 20		6739
1238	0734354	7655520	11.3.25 remnt	18m	6740
1240	0734300	7655940	11.3.25 remnt 20m		6741
1245	0734127	7655957	11.3.25 remnt	14	6747
1246	0734291	7656049	Same as site 1242 but thinner Mycall	S/VS	6748
1251	[illegible]	7656118	Low species Poplar regrowth Poplar 6-10 5 cm dia stems close vs under 3.5m no sig h		6759
			Sound varied native grasses buffel common		6760
1252	0735010	7656094	Callitris 6-8 m Occ Eucalyptus to 10m		6761
1259	0735245	7656548	11.5.5 low melaleuca 10m Poplar present		6764

11-2-21

NR No Kcar

6768 N

Job.....

Date..... 11-2-21

No.	Easting	Northing	Comments		Photo
1266	0435162	7057040	N L small patch maybe 6 trees	Poplar 8m	6774
1267	0435385	7057149	Dam - mon-made fringing canal/ditch 2-3m Myall present		6775 S
1268	0434559	7057057	Poplar Grove Depression and flood Poplar dam wall		6776W
1270	0434529	7056925	VS Poplar 10-12 Myall 5-10 Scrub		6777 S
			ground disrupted by track + vehicles		6783 S
1271	0434537	7056849	11.3.25 Remnant Canal/ditch 2m		6784 S
1272	0434500	7056523	11.3.25 Canal 15m Myall - 1 tree wide on edge		6785 S
1273	0436166	7057651	Small patch of Casuarina maybe 20 stems		6786 S
1274	0436247	7057634	Casuarina 10m Bagged/burnt ground		6789 S
1276	0436297	7057640	11.3.25 canal 25m 8m		6793 E
1277	0436376	7057904	11.3.25 Kanal 8m 20m		6794 E
1324	0435956	7058027	11.3.2 Poplar 14-15m Casuarinas with bloke		6800 W
1326	...	7058927	11.3.21 Poplar 18m		6801 S

Job.....

Date.....11-2-21

No.	Easting	Northing	Comments		Photo
1339	0833 38	405865	11 3 2 Raptor 10-16m sp<se undisturbed		6807

WK5

Job Myalla

Date 20-3-21

No.	Easting	Northing	Comments		Photo
1346	0730166	7659657	11.3.25 remnant Canal debris to 20m occasional Poplar	SPOT HL N	6949
1347	0730303	7659431	11		6950
1352			11.7.1 patch fibrous 12m		
1355	0731644	7658549	Mapped 11.5.1 - yr old Bisected others by large rocky Pavement present		6948 G 6949
1378	0733057	7660788	Low regrowth callitris Cadora 10m Alloc leichhardii		6900 6946
1379	0732820	7660992	11.5.1 low regrowth Cadora 10-12 cristata Callitris		6947 W 6948 N
1380	0732643	7661141	11.5.5 Melaleuca VS 8m Low regrowth NR very young regrowth to N		6949 W 6950
1391	0732294	7661202	11.9.10 Poplar 8-10 S cristata vulgare		6951
1393	0732042	7661141	low regrowth 11.9.10 11.5.1 Cadora populnea 5m cristata		6957 W 6958 E
1394	0731853	7661061	11.5.1 Cadora 10-12 S/mid callitris 4-5 Middense Low regrowth East D Strat done 11.9.5		6959 W
1396	0731766	7660935	11.9.5 hemiphylla 9m bulolke & occ Cadora surrounded by shirleyi Small patch < 0.5ha		6968
1384	0731866	7660925	Shirley 11 10m D occ Emergent cadora		6969

Job... Myall 9 ..... Date..... 4-3-21

No.	Easting	Northing	Comments		Photo
1388	0731937	7060858	Cheloni 12-21 Shirleyi 4-9	15.1	6975 E 6976 S
1390	0731698	7060838	Shirleyi 9m M/D Vulgaris 3m S Bulloke 5-6m	17.2	6982 S
1391	0732021	7061010	Shirleyi 9m Callitris 3-5 Bulloke	11:17.2	6983 E
1392	0731541	7060943	Cookeii 10-14 Shirleyi occ Callitris 2-5		6984 W 6985 E
1393	0731329	7060832	Papler 4NS 8-10 Cristata 6-9 unigu undu		6986 W 6987

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 13967 Recorder: DS NA Day/Date: 6-3-21

Purpose

Locality: (inc. distance/direction to nearest town) Mgalla

GPS: 55 0732589 TD 1165 D GDA94

N 6952
S 6953
E 6954
W 6955
C 6956

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	10	8 - 10	5
T1	6	5 - 6	M
T2		-	
T3		-	
S1	2	2 - 3	
S2		-	
G	05	0 - 05	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; *d* – dominant; *c* – co-dominant; *s* - subdominant, *a* – associated.

Str.	Rel. dom.	Scientific Name
T1	D	E populnea
		Casuarina cristata
T2	D	Casuarina cristata
S1	D	Grevillea parallela
		Dodonaea viscosa
G		Aristida caput-medusae
		Aristida ramosa
		Sporobolus australasicus
		A. latifolia calycina
		Paspalidium distans
		Urochloa gilesii
		Enteropogon acicularis
		Setaria sp. (rotato bush)
		Bothriochloa ewartiana

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Hills

Landform: top of hill

Soils: Brown clay - ironstone

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: 11.9.5/11.9.10

Proposed RE code: 11.9.10

END

Habitat Characters - Abundance

Site No. BSR **Recorder:** **Day/Date:** 4-3-21

Purpose

Locality: (inc. distance/direction to nearest town) Myall

GPS coordinates: Zone 55 E 0732299 N 7561165 **Datum:** GDA94

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	3		
Fallen logs (>10cm diam.)	5		
Decorticating bark	2		
Course litter (>2cm diam.)	4		
Fine litter (<2cm diameter)	5		
Bare ground	6		
Grass	5		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 1385 **Recorder:** DS NA **Day/Date:** 4-5-21

Purpose

Locality: (inc. distance/direction to nearest town) Myatta

GPS: 1385 55 0731862 7061039 D GDA 94

N 6963
S 6964
E 6965
L 6966
C 6967

Vegetation structure
Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	~~11~~	~~11 - 9~~	~~8~~
T1	8	7 - 9	5
T2	11	4 - 5	√5
T3		-	
S1	1	0.8 - 1	√
S2		-	
G	0.3	0 - 0.4	5

Structural formation: (including height)

Ecologically dominant layer:

Plant species
Record relative (numerical) dominance for each stratum;
d – dominant; *c* – co-dominant; *s* - subdominant, *a* – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Eucalyptus haplophylla
	c	Allocasuarina leuhmannii
T2	D	~~Callitris~~ Callitris glaucophylla
		Allocasuarina leuhmannii
S1		~~Acacia (sp.)~~ Eragrostis sp.
G		Aristida calycina
		Cymbopogon refractus
		Heteropogon contortus
		Aristida caput medusae
		Bothriochloa decipiens
		Eriachne sp.
		Capillipedium spicigerum

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: hills

Landform: hill top

Soils: Light brown clay

Field observation and notes:

Landzone: 9

RE code changes

Existing RE code: unmapped

Proposed RE code: 11.9.5

END

Habitat Characters - Abundance

Site No. 1385 Recorder: HA DS Day/Date: 4/3

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS coordinates: Zone 55 E 0731862 N 7061039 Datum: GDA94

	Abundance (0 – 7)	Notes
Hollows in trees & stags	0	
Fallen logs (>10cm diam.)	5	
Decorticating bark	5	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	3	
Bare ground	4	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 1389 Recorder: DS HH Day/Date: 4-3-21

Purpose

Locality: (Inc. distance/direction to nearest town) Myalla

GPS: 1389 55 0737 L 9377 7a 50806 D 6974

N 6977

S 6976

E 6974

W 6980

G 6981

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E		-	
T1	16	14-21	S
T2	10	8-10	M
T3		-	
S1	1.5	1-2	S
S2		-	
G	0.3	0-0.5	

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; ***s*** - subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T_1	D	E. crebra
T_2	D	Ac. shirleyi
G		Eremophila sp.
		Alectonia constricta
G		Paspalidium distans
		Thyridolepis mitchelli
		Aristida calycina
		Bothriochloa decipiens
		Aristida ephemeroides
		Enneapogon sp.
		Cenchrus ~~sp.~~ setiger ?
		Aristida queenslandica

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Hills

Landform: slope

Soils: Brown clay

Field observation and notes:

Landzone: 5

RE code changes

Existing RE code: 11.5.5

Proposed RE code: 11.5.1

END

Habitat Characters - Abundance

Site No. 1349 **Recorder:** DS NA **Day/Date:** 4-3-21

Purpose

Locality: (inc. distance/direction to nearest town) Nyatta

GPS coordinates: Zone 55 E 0731937 N 7060806 **Datum:** GDA94

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	0		
Fallen logs (>10cm diam.)	7		
Decorticating bark	5		
Course litter (>2cm diam.)	5		
Fine litter (<2cm diameter)	4		
Bare ground	3		
Grass	4		
Soil cracks	0		
Stones (20-60cm)	1		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Appendix F

Field Survey Site Data: Fauna Habitat Site Sheets

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1740

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	5		
Decorticating bark	3		
Course litter (>2cm diam.)	4		
Fine litter (<2cm diameter)	5		
Bare ground	4		
Grass	4		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1141

	Abundance (0 – 7)	Notes
Hollows in trees & stags	0	
Fallen logs (>10cm diam.)	3	
Decorticating bark	3	
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	4	
Bare ground	4	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 9 **Recorder:** A DANIEL **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) WYENA

GPS coordinates: Zone 55 E 0~~6~~~~7~~~~5~~~~8~~ 739245 N 7061634 **Datum:** ~~GDA~~ 94

1744
5954/5

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	Some
Fallen logs (>10cm diam.)	5	Previous logging ~~abundant~~ fallen timber & logs
Decorticating bark	3	Callitris mainly young Large Melaleuca bark
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	2	Sandy grass cover is native but sparse
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock		

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 10 **Recorder:** A BANNIC **Day/Date:** 23/11/2020

Purpose 522

Locality: (inc. distance/direction to nearest town) WYNDHAM

GPS coordinates: Zone 55 E 0739543 N 7061583 **Datum:** GDA 94

1747

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	6		
Decorticating bark	2		
Course litter (>2cm diam.)	3		
Fine litter (<2cm diameter)	3		
Bare ground	6		
Grass	6		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock			

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1748

	Abundance (0 – 7)	Notes
Hollows in trees & stags	0	
Fallen logs (>10cm diam.)	7	
Decorticating bark	4	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	4	
Bare ground	4	
Grass	4	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1758

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	4		
Decorticating bark	4		
Course litter (>2cm diam.)	4		
Fine litter (<2cm diameter)	4		
Bare ground	4		
Grass	4		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 19 **Recorder:** A Daniel **Day/Date:** 23/11/2020

Purpose SDZ2

Locality: (inc. distance/direction to nearest town) Wilsons

GPS coordinates: Zone 55 E 0740863 N 7263794 **Datum:**

1765

	Abundance (0 – 7)	Notes
Hollows in trees & stags	0	
Fallen logs (>10cm diam.)	7	
Decorticating bark	5	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	4	
Bare ground	7	
Grass	2	
Soil cracks	0	
Stones (20-60cm)	3	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N ..... **Datum:** .....

1766

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	4	
Decorticating bark	4	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	6	
Bare ground	4	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 15 **Recorder:** A Daniel **Day/Date:** 23/11/2020

Purpose SD22

Locality: (inc. distance/direction to nearest town) 46 NA

GPS coordinates: Zone 55 E 0740294 N 7063061 **Datum:**

1766
5913

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	6		
Decorticating bark	5		
Course litter (>2cm diam.)	5		
Fine litter (<2cm diameter)	7		
Bare ground	4		
Grass	2		
Soil cracks	0		
Stones (20-60cm)	3		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock			

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1767

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	
Fallen logs (>10cm diam.)	5	
Decorticating bark	5	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	5	
Bare ground	4	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	3	
Boulders (61cm-2m)	4	
Large boulders (>2m)	0	
Rock crevices	3	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1783

	Abundance (0 – 7)	Notes
Hollows in trees & stags	3	
Fallen logs (>10cm diam.)	4	
Decorticating bark	4	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	4	
Bare ground	2	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1830

	Abundance (0 – 7)	Notes
Hollows in trees & stags	0	
Fallen logs (>10cm diam.)	2	
Decorticating bark	3	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	3	
Bare ground	4	
Grass	2	
Soil cracks	1	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N ..... **Datum:** .....

1831

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	
Fallen logs (>10cm diam.)	5	
Decorticating bark	2	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	5	
Bare ground	2	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	4	
Boulders (61cm-2m)	4	
Large boulders (>2m)	4	
Rock crevices	32	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

1871

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	
Fallen logs (>10cm diam.)	5	
Decorticating bark	4	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	5	
Bare ground	4	
Grass	4	
Soil cracks	2	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

WK7

Habitat Characters - Abundance

Site No. 1 **Recorder:** DS MH **Day/Date:** 23/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS coordinates: Zone 55 E 072 ~~32~~ 3426 N 7059757 **Datum:** ~~766~~ wgt

766

	Abundance (0 – 7)	Notes
Hollows in trees & stags	4	Large hollows in ironbarks
Fallen logs (>10cm diam.)	7	Acacia shrubs present
Decorticating bark	1	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	4	
Bare ground	6	
Grass	5	
Soil cracks	1	
Stones (20-60cm)	5	
Boulders (61cm-2m)	5	
Large boulders (>2m)	5	
Rock crevices	5	
Exfoliating rock	3	

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 3 **Recorder:** DS MN **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS coordinates: Zone 55 E 0723298 N 7059689 **Datum:** 772

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	1	
Decorticating bark	1	
Course litter (>2cm diam.)	1	
Fine litter (<2cm diameter)	2	
Bare ground	3	
Grass	6	Dominated by buffel
Soil cracks	1	
Stones (20-60cm)	3	Lots of rock < 20cm
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 4 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS coordinates: Zone 55 E 0723327 N 7059622 **Datum:** wgs 73

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	1	
Decorticating bark	2	
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	7	
Bare ground	4	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	4	Lots of stones <20
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 5 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) wallumbilla

GPS coordinates: Zone 55 E 0724019 N 7059900 **Datum:** AGD 94

wpt 783

783

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	6		
Decorticating bark	3		
Course litter (>2cm diam.)	5		
Fine litter (<2cm diameter)	7		
Bare ground	5		
Grass	3		
Soil cracks	0		
Stones (20-60cm)	1		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 6 **Recorder:** DS + MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wollumbulah

GPS coordinates: Zone 55 E 0724301 N 7059755 **Datum:**

784

784

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	4	
Decorticating bark	3	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	2	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 7 **Recorder:** DS + MH **Day/Date:** 24/11/2020

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbeta

GPS coordinates: Zone 55 E 0724461 N 7059780 **Datum:**

WP 785

photo no. = 785

	Abundance (0 – 7)	Notes
Hollows in trees & stags	4	
Fallen logs (>10cm diam.)	4	
Decorticating bark	3	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	3	
Grass	4	
Soil cracks	0	
Stones (20-60cm)	6	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 8 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wallumbilla

GPS coordinates: Zone 55 E 0724607 N 7059860 **Datum:** AGD 94

786

786

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	6		
Decorticating bark	3		
Course litter (>2cm diam.)	7		
Fine litter (<2cm diameter)	7		
Bare ground	3		
Grass	2		
Soil cracks	0		
Stones (20-60cm)	5		
Boulders (61cm-2m)	2		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 9 **Recorder:** MH, OS **Day/Date:**

Purpose

Locality: (inc. distance/direction to nearest town) Walcha bulla

GPS coordinates: Zone 55 E 0723723 N 6436144 **Datum:**

789

789

	Abundance (0 – 7)	Notes
Hollows in trees & stags	4	
Fallen logs (>10cm diam.)	4	
Decorticating bark	1	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	6	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	6	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 10 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS coordinates: Zone 55 E 0724649 N 7082521 **Datum:** AGD 94

WPT 797

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	3	occasional large fallen poplar
Decorticating bark	1	
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	5	
Bare ground	4	
Grass	1	No ground cover
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 12 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town)

GPS coordinates: Zone 55 E 0~~4~~246646 N 7062891 **Datum:** AGD 94

wpt ~~499~~ 499

	Abundance (0 – 7)	Notes
Hollows in trees & stags	3	Some big dead Poplars
Fallen logs (>10cm diam.)	5	
Decorticating bark	1	
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	3	
Bare ground	4	
Grass	4	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 13 **Recorder:** DS MH **Day/Date:** 24/11/20

Purpose

Locality: (inc. distance/direction to nearest town)

GPS coordinates: Zone 55 E 0724725 N 7063085 **Datum:** AGD94

800

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	3		
Fallen logs (>10cm diam.)	5		
Decorticating bark	2		
Course litter (>2cm diam.)	5		
Fine litter (<2cm diameter)	5		
Bare ground	6		
Grass	3		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	6		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 14 **Recorder:** JS MH **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Boorabbin

GPS coordinates: Zone 55 E 0724038 N 6585866 **Datum:**

805

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	2	
Decorticating bark	1	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	6	
Bare ground	6	
Grass	1	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 15 **Recorder:** MH. DS **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Bikini

GPS coordinates: Zone 55 E 0724750 N 7086146 **Datum:**

418

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	3	
Decorticating bark	1	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 15A **Recorder:** DS MH **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) 13, Kini

GPS coordinates: Zone 55 E 0726772 N 7058915 **Datum:** AGD 94

wpt 815

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	4		
Fallen logs (>10cm diam.)	5		
Decorticating bark	4		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	4		
Bare ground	6		
Grass	2		
Soil cracks	0		
Stones (20-60cm)	6		
Boulders (61cm-2m)	6		
Large boulders (>2m)	6		
Rock crevices	3		
Exfoliating rock	1		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 16 **Recorder:** DS MH **Day/Date:**

Purpose

Locality: (inc. distance/direction to nearest town) Wilgoyne

GPS coordinates: Zone 55 E 0724698 N 7060286 **Datum:** AGD 94

wpt 400

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	~~2~~ 1		
Fallen logs (>10cm diam.)	6		
Decorticating bark	6	Highly ringbarked timber	lots of old dead, standing timber
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	4		
Bare ground	5		
Grass	2		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 17 **Recorder:** US MH **Day/Date:** 25/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgavale

GPS coordinates: Zone 55 E 0725791 N 7[illegible]0334 **Datum:**

827

	Abundance (0 – 7)	Notes
Hollows in trees & stags	0	
Fallen logs (>10cm diam.)	6	
Decorticating bark	1	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	5	
Bare ground	6	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 18 **Recorder:** MH OS **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgoyne

GPS coordinates: Zone 55 E 0724225 N 7[illegible]0979 **Datum:**

833

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	2	
Decorticating bark	3	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	5	
Grass	4	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm[illegible] to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 19 **Recorder:** DS MD **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) wilga vale

GPS coordinates: Zone 55 E 0725159 N 7061232 **Datum:** GDA94

wpt 842

	Abundance (0 – 7)	Notes	
Hollows in trees & stags			
Fallen logs (>10cm diam.)			
Decorticating bark			
Course litter (>2cm diam.)			
Fine litter (<2cm diameter)			
Bare ground			
Grass			
Soil cracks			
Stones (20-60cm)			
Boulders (61cm-2m)			
Large boulders (>2m)			
Rock crevices			
Exfoliating rock			

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 20 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilga vale

GPS coordinates: Zone 55 E 0724359 N 6401664 **Datum:** AGD 94

wpt 847

	Abundance (0 – 7)	Notes
Hollows in trees & stags	5	
Fallen logs (>10cm diam.)	3	
Decorticating bark	3	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 21 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) W. Igavale

GPS coordinates: Zone 55 E 0724051 N 7062038 **Datum:** WGS 84

	Abundance (0 – 7)	Notes
Hollows in trees & stags	3	
Fallen logs (>10cm diam.)	3	
Decorticating bark	2	
Course litter (>2cm diam.)	2	
Fine litter (<2cm diameter)	4	
Bare ground	5	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 22 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilga vale

GPS coordinates: Zone 56 E 0723958 N 7061785 **Datum:** AGD94

053

	Abundance (0 – 7)	Notes
Hollows in trees & stags	3	
Fallen logs (>10cm diam.)	4	
Decorticating bark	5	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 23 **Recorder:** DS MN **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgarup

GPS coordinates: Zone 55 E 0 4 2 3 3 1 9 N 7 0 [illegible] 2 6 3 4 **Datum:** WGS 84

wpt 034

	Abundance (0 – 7)	Notes
Hollows in trees & stags	3	
Fallen logs (>10cm diam.)	3	
Decorticating bark	2	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	5	
Grass	4	
Soil cracks	0	
Stones (20-60cm)	6	
Boulders (61cm-2m)	3	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 24 **Recorder:** DS MH **Day/Date:** 26/11/20

Purpose

Locality: (inc. distance/direction to nearest town) W. Igaruda

GPS coordinates: Zone 55 E 0723428 N 7062565 **Datum:** AGD94

856

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	2	
Decorticating bark	1	
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	4	
Bare ground	6	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	1	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 25 **Recorder:** MH + DS **Day/Date:**

Purpose

Locality: (inc. distance/direction to nearest town) W. Igaveke

GPS coordinates: 895 Zone 55 E 0723109 N 7052268 **Datum:**

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	4	
Decorticating bark	2	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 26 **Recorder:** MH - DS **Day/Date:** 23/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Ulgarie

GPS coordinates: Zone 55 E 0723613 N 7062110 **Datum:**

860

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	
Fallen logs (>10cm diam.)	4	
Decorticating bark	3	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	2	
Soil cracks	0	
Stones (20-60cm)	7	
Boulders (61cm-2m)	3	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

N 6051
S 6052
E 6053
W 6054
G 6055

Abundance key
0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 27 **Recorder:** DS MH **Day/Date:** 27/11/20

Purpose

Locality: (inc. distance/direction to nearest town) Wilgarvale

GPS coordinates: Zone 55 E 0723018 N 7065951 **Datum:** AGD 94

Lpl 865

	Abundance (0 – 7)	Notes
Hollows in trees & stags	3	
Fallen logs (>10cm diam.)	2	
Decorticating bark	3	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	6	
Bare ground	5	
Grass	6	
Soil cracks	0	
Stones (20-60cm)	4	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 28 **Recorder:** MH DS **Day/Date:** 27/11/20

Purpose

Locality: (inc. distance/direction to nearest town) W. Ingard

GPS coordinates: Zone 55 E 0724074 N 7061432 **Datum:**

867

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	
Fallen logs (>10cm diam.)	3	
Decorticating bark	4	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	3	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm to Abundant 3 = Occasional 7 = Abundant

WK2

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT878

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	6	
Decorticating bark	4	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	5	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	4	
Boulders (61cm-2m)	1	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 884

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	5		
Fallen logs (>10cm diam.)	4		
Decorticating bark	2		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	5		
Bare ground	5		
Grass	6		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WRT892

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	4		
Fallen logs (>10cm diam.)	5		
Decorticating bark	5		
Course litter (>2cm diam.)	5		
Fine litter (<2cm diameter)	4		
Bare ground	6		
Grass	7		
Soil cracks	0		
Stones (20-60cm)	1		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 901

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	1		
Decorticating bark	1		
Course litter (>2cm diam.)	3		
Fine litter (<2cm diameter)	6		
Bare ground	6		
Grass	6		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 909

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	5	
Decorticating bark	2	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	4	
Bare ground	7	
Grass	1	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 55 E 0726323 N 7061124 **Datum:** .....

WPT 943

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	6		
Decorticating bark	2		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	5		
Bare ground	6		
Grass	1		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WRT 983

	Abundance (0 – 7)	Notes
Hollows in trees & stags	6	
Fallen logs (>10cm diam.)	5	
Decorticating bark	5	
Course litter (>2cm diam.)	4	
Fine litter (<2cm diameter)	4	
Bare ground	6	
Grass	2	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 9778

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	3		
Decorticating bark	1		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	5		
Bare ground	5		
Grass	5		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 968

	Abundance (0 – 7)	Notes
Hollows in trees & stags	5	
Fallen logs (>10cm diam.)	4	
Decorticating bark	4	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	6	
Bare ground	3	
Grass	7	
Soil cracks	6	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N ..... **Datum:** .....

WPT 18

	Abundance (0 – 7)	Notes
Hollows in trees & stags	6	
Fallen logs (>10cm diam.)	5	
Decorticating bark	6	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	6	
Bare ground	2	
Grass	7	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

N 6266
E 6267
S 6268
W 6269

G 6270

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm on to Abundant 3 = Occasional 7 = Abundant

WK3

Habitat Characters - Abundance

Site No. 419 **Recorder:** DK MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS coordinates: Zone 55 E 0732993 N 7060302 **Datum:** GDA 94

at 1014

	Abundance (0 – 7)	Notes
Hollows in trees & stags	6	Emergent Creekline largely senescing
Fallen logs (>10cm diam.)	1	
Decorticating bark	1	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 420 **Recorder:** DS MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS coordinates: Zone 55 E 0732889 N 7059879 **Datum:**

mgt 1015

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	5	
Decorticating bark	2	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	6	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Commo to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 423 **Recorder:** DS MH **Day/Date:** 15/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Myalla

GPS coordinates: Zone 55 E 0732786 N 7059380 **Datum:** GDA 94

1017

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	5		
Decorticating bark	1		
Course litter (>2cm diam.)	5		
Fine litter (<2cm diameter)	5		
Bare ground	5		
Grass	5		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 495 **Recorder:** DS MH **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Arsa Jugh

GPS coordinates: Zone 55 E 0 3 3 6 7 4 8 N 7 6 2 2 4 4 **Datum:** GDA 94

1104

	Abundance (0 – 7)	Notes
Hollows in trees & stags	0	
Fallen logs (>10cm diam.)	2	
Decorticating bark	1	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	7	
Bare ground	5	
Grass	4	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. 504 **Recorder:** DS MH **Day/Date:** 17/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angry Jungle

GPS coordinates: Zone 55 E 0729309 N 6466471 **Datum:** GDA94

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	
Fallen logs (>10cm diam.)	4	
Decorticating bark	1	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	6	
Grass	6	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Comm n to Abundant 3 = Occasional 7 = Abundant

A 3.3 Sheet D – Regional Ecosystem type assessment site

Location

Site No. 514 **Recorder:** DS **Day/Date:** 18/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Araby Jungle

GPS: 1125 | 55 | 0728342 | 7963391 | D GDA 94

N 6556
S 6557
E 6558
W 6559
G 6560

Vegetation structure

Median height of the EDL is to be measured

Stratum	Median height	Height interval	Est. cover density (D,M,S,V)
E	6	6-7	V
T1	4	4-5	M
T2		-	
T3		-	
S1		-	
S2		-	
G		< 0.4	D

Structural formation: (including height)

Ecologically dominant layer:

Plant species

Record relative (numerical) dominance for each stratum; ***d*** – dominant; ***c*** – co-dominant; ***s*** – subdominant, ***a*** – associated.

Str.	Rel. dom.	Scientific Name
T1	D	Ac harpophylla
E	D	E. populnea
G	D	Cenchrus ciliaris

Geology, landform, soils

Geology map/scale/year:

Geology code and rock types:

Land system: Downs

Landform: Bottom of Slope

Soils:

Field observation and notes: No Scrub logs
Ground 100% buffel

Landzone: 9

RE code changes

Existing RE code: Not Mapped

Proposed RE code: 11.9.5a regrowth

END

Habitat Characters - Abundance

Site No. 514 **Recorder:** DJ **Day/Date:** 18/12/20

Purpose

Locality: (inc. distance/direction to nearest town) Angy Jungle

GPS coordinates: Zone 55 E 0712853472 N 7126339811 **Datum:** GDA 94

1125

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	0		
Fallen logs (>10cm diam.)	1		
Decorticating bark	1		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	6		
Bare ground	5		
Grass	6		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	2		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 996

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	2		
Decorticating bark	1		
Course litter (>2cm diam.)	2		
Fine litter (<2cm diameter)	7		
Bare ground	5		
Grass	4		
Soil cracks	0		
Stones (20-60cm)	5		
Boulders (61cm-2m)	5		
Large boulders (>2m)	5		
Rock crevices	2		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT1000

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	1	
Decorticating bark	1	
Course litter (>2cm diam.)	3	
Fine litter (<2cm diameter)	2	
Bare ground	1	
Grass	3	
Soil cracks	0	
Stones (20-60cm)	6	
Boulders (61cm-2m)	3	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 1001

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	1		
Decorticating bark	1		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	6		
Bare ground	5		
Grass	5		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N ..... **Datum:** .....

WPT 1003

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	5		
Decorticating bark	3		
Course litter (>2cm diam.)	4		
Fine litter (<2cm diameter)	5		
Bare ground	5		
Grass	3		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 1004

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	5		
Decorticating bark	2		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	6		
Bare ground	5		
Grass	5		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

UPT 1005

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	1		
Fallen logs (>10cm diam.)	7		
Decorticating bark	2		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	5		
Bare ground	5		
Grass	5		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	6		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 1025

	Abundance (0 – 7)	Notes
Hollows in trees & stags	3	
Fallen logs (>10cm diam.)	5	
Decorticating bark	3	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	4	
Soil cracks	2	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WRT1057

	Abundance (0 – 7)	Notes
Hollows in trees & stags	2	
Fallen logs (>10cm diam.)	6	
Decorticating bark	2	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	3	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundanc

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 1055

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	4		
Decorticating bark	3		
Course litter (>2cm diam.)	4		
Fine litter (<2cm diameter)	5		
Bare ground	1		
Grass	7		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 1058

	Abundance (0 – 7)	Notes	
Hollows in trees & stags	2		
Fallen logs (>10cm diam.)	4		
Decorticating bark	3		
Course litter (>2cm diam.)	6		
Fine litter (<2cm diameter)	5		
Bare ground	4		
Grass	4		
Soil cracks	0		
Stones (20-60cm)	0		
Boulders (61cm-2m)	0		
Large boulders (>2m)	0		
Rock crevices	0		
Exfoliating rock	0		

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WP1059

	Abundance (0 – 7)	Notes
Hollows in trees & stags	6	
Fallen logs (>10cm diam.)	5	
Decorticating bark	2	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	5	
Bare ground	5	
Grass	5	
Soil cracks	3	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N ..... **Datum:** .....

WP11064

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	5	
Decorticating bark	1	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	3	
Grass	7	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 1067

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	6	
Decorticating bark	5	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	4	
Grass	5	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WPT 1069

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	5	
Decorticating bark	1	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	6	
Bare ground	5	
Grass	6	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N **Datum:** .....

WOT 1124

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	1	
Decorticating bark	1	
Course litter (>2cm diam.)	6	
Fine litter (<2cm diameter)	4	
Bare ground	4	
Grass	6	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Common to Abundant 3 = Occasional 7 = Abundant

Habitat Characters - Abundance

Site No. ..... **Recorder:** ..... **Day/Date:** .....

Purpose .....

Locality: (inc. distance/direction to nearest town) .....

GPS coordinates: Zone 5 E 0 N ..... **Datum:** .....

WPT1129

	Abundance (0 – 7)	Notes
Hollows in trees & stags	1	
Fallen logs (>10cm diam.)	3	
Decorticating bark	1	
Course litter (>2cm diam.)	5	
Fine litter (<2cm diameter)	4	
Bare ground	6	
Grass	4	
Soil cracks	0	
Stones (20-60cm)	0	
Boulders (61cm-2m)	0	
Large boulders (>2m)	0	
Rock crevices	0	
Exfoliating rock	0	

Abundance key

0 = Nil 4 = Occasional to common 1 = Rare 5 = Commo 2 = Rare to Occasional 6 = Com on to Abundant 3 = Occasional 7 = Abundant

Appendix G

Field Survey Site Data: BioCondition Site Sheets

Biocondition Datasheet

Site ID	914				Date	1/12/2020	
Observers	Donovan Sharp,Matt H						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			741939		7063804		914
Plot centre			741987		7063820		915
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22						
Regional Ecosystem and Tree height							
Habitat Description	Yuleba State Forest						
Regional Ecosystem		11.5.1		Median Tree canopy Height (m)		17	
	Emergent height (m)			Subcanopy ht (m)		5	
Site Photos	Plot centre	North	6148	South	6149	S	
Photo Numbers		East	6150	West	6151		
	Plot Origin			other			
Site Photos	See below						

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Angophora leiocarpa	7
Logging	na					Corymbia tessellaris	
Treatment	na					Acacia leiocalyx	
						Grevillea striata	
						Allocasuarina luehmannii	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						38.5
Storm	na						per ha (m)
Other (specify)	na						385

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Hovea longipes	
	Geijera parviflora	
Grass sp.		
	Aristida caput-medusae	
	Echinopogon caespitosus	
	Aristida calycina	
	*Cenchrus ciliaris	
	Chrysopogon fallax	
	Aristida ramosa	
Forbs/other sp.	Solanum ellipticum	
	Maireana microphylla	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	30	40	50	25	30	35
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	1	2	2	3	0	1.6
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	20	40	30	60	70	44
rock	0	0	0	0	0	0
bare ground	49	18	18	12	0	19.4
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	44	Euc Benchm	Euc Benchmark
	No. Trees	1	No. Trees > =		Benchmark/ha	2
Non-Eucalypts	Avg DBH threshold		RE	24	Euc Benchm	Euc Benchmark
	No. Trees	17	No. Trees > =		Benchmark/ha	34

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
5-8.5	3.5	C	0-1.5	1.5	SC	3-4	1	S
9.5-13.5	4	C	11-12.5	1.5	SC	7-8.5	1.5	S
26.5-30.5	4	C	15-16.5	1.5	SC	33-36	3	S
38.5-43	4.5	C	18-19.5	1.5	SC			
44.5-52	7.5	C	32-36	4	SC			
52.5-55.5	3	C	41-44.5	3.5	SC			
57-61	4	C	46-47	1	SC			
64.5-68	3.5	C	58-59	1	SC			
69-73	4	C	67-68	1	SC			
			72-73.5	1.5	SC	canopy total		38.5
			75-77	2	SC	subcanopy total		21.5
			78-79.5	1.5	SC	emergent total		
						shrub total		5.5

North

South

East

West

Biocondition Datasheet

Site ID	916				Date	1/12/2020
Observers	Donovan Sharp, Matt H					

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South
Datum	GDA94					
Zone	55 J	Easting		Northing		
Plot origin			739017		7061866	916
Plot centre			739065		7061873	917
Plot Bearing	E	Plot Alignment Description				
Locality	Roma SD 22					
	Wyena State Forest					

Regional Ecosystem and Tree height

Habitat Description						
Regional Ecosystem		11.5.5	Median Tree canopy Height (m)		12	
	Emergent height (m)		14	Subcanopy ht (m)	5	

Site Photos	Plot centre	North	6152	South	6153	
Photo Numbers		East	6154	West	6155	
	Plot Origin			other	6156	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Eremophila deserti	5
Logging	na					Eucalyptus melanophloia	
Treatment	na					Grevillea striata	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	5.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	75%						52
Storm	na						per ha (m)
Other (specify)	na						520

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Grevillea striata	
	Maireana microphylla	
	Acacia leiocalyx	
	Acacia decora	
Grass sp.		
	*Cenchrus ciliaris	
	Aristida caput-medusae	
	Aristida jerichoensis	
	Eragrostis brownii	
	Aristida ramosa	
	Aristida calycina	
	Dichanthium sericeum	
Forbs/other sp.		
	Abutilon oxycarpum	
	Calotis cuneifolia	
	*Achyranthes aspera	
	*Glandularia aristigera	
	Dysphania carinata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	10	30	35	25	40	28
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	5	2	2	3	3.4
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	10	0	0	0	0	2
Non-native forbs and shrubs	0	0	0	0	0	0
litter	50	45	25	45	50	43
rock	0	0	0	0	0	0
bare ground	25	20	38	28	7	23.6
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	
	No. Trees	3	No. Trees > =	Benchmark/ha		6	No Benchmark
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha	euc >40cm		No Benchmark

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-11	11	C	21.5-22.5	1	SC	25-26	1	S
22.5-29	6.5	C	28.5-32	3.5	SC	70.5-71.5	1.5	
58-52	4	C	44-46	2	SC			
48-52	4	C	58-60	2	SC			
55.5-59	3.5	C	60-63.5	3.5	SC			
67-70.5	3.5	C	74.5-76.5	2	SC			
90.5-96	5.5	C	77-79.5	2.5	SC			
97-99	2	C	82.5-86	3.5	SC			
			88-94	6	SC			
6.5-9	3	SC	96-96.5	0.5	SC	canopy total		40
10-11	1	SC	97-100	3	SC	subcanopy total		36
15.5-17.5	2	SC				emergent total		
19-19.5	0.5	SC				shrub total		2.5

North

South

East

West

Ground

Biocondition Datasheet

Site ID	918				Date	2/12/2021	
Observers	Donovan Sharp,Matt H						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			724570		7060177		918
Plot centre			724611		7060156		919
Plot Bearing	E	Plot Alignment Description					
Locality	Roma SD 22						
	Wilgavale						

Regional Ecosystem and Tree height

Habitat Description	Lancewood on rocky rises. Very dry.					
Regional Ecosystem	11.7.2		Median Tree canopy Height (m)		10	
	Emergent height (m)			Subcanopy ht (m)		

Site Photos	Plot centre	North	6157	South	6158	
Photo Numbers		East	6159	West	6160	
	Plot Origin			other	6161	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia shirleyi	
Wildfire	na					Eucalyptus crebra	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						110
Storm	na						per ha (m)
Other (specify)	na						1100

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Callitris glaucophylla	
Grass sp.		
	Aristida caput-medusae	
	Paspalidium distans	
	Ancistrachne uncinulata	
	Aristida calycina	
Forbs/other sp.		
	Lomandra multiflora	
	*Sida corrugata	
	Dysphania carinata	
	Solanum ellipticum	
	Seringia collina	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	3	0	0	0	2	1
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	4	0	0	0	1	1
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	50	80	90	89	87	79.2
rock	25	5	5	1	2	7.6
bare ground	18	15	5	10	8	11.2
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	41	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0
Non-Eucalypts	Avg DBH threshold		RE	26	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-8.5	8.5	C						
10.5-14.5	4	C						
15-21.5	6.5	C						
30-39	9	C						
42-48	6	C						
55-63	8	C						
64-71	7	C						
72-74.5	2.5	C						
76-81	5	C						
89.5-92	2.5	C				canopy total		59
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	920				Date	2/12/2020	
Observers	Donovan Sharp, Matt H						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			723510		7064327		920
Plot centre			723558		7064319		921
Plot Bearing	E	Plot Alignment Description					
Locality	Roma SD 22 Wilgavale						
Regional Ecosystem and Tree height							
Habitat Description	Advanced regrowth 11.9.10. Canopy variable 6-14m						
Regional Ecosystem		11.9.10	Median Tree canopy Height (m)		9		
	Emergent height (m)		18	Subcanopy ht (m)	4		
Site Photos	Plot centre	North	6163	South	6164		
Photo Numbers		East	6165	West	6166		
	Plot Origin			other	6167		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na					Acacia harpophylla	Tree Spp. Count
Prescribed burn	na					Callitris glaucophylla	9
Logging	na					Acacia decora	
						Casuarina cristata	
						Owenia acidula	
Treatment	na					Eremophila deserti	
						Notelaea microcarpa	
						Corymbia intermedia	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	60%						44
Storm	na						per ha (m)
Other (specify)	na						440

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Atalaya hemiglauca	
	Eremophila deserti	
	Geijera parviflora	
	Citrus glauca	
Grass sp.		
	Chloris truncata	
	*Cenchrus ciliaris	
	Aristida calycina	
	Panicum effusum	
Forbs/other sp.		
	*Sida corrugata	
	Abutilon oxycarpum	
	Einadia hastata	
	Enchylaena tomentosa	
	Capparis lasiantha	
	Sclerolaena birchii	
	Carissa ovata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	3	0	5	0	5	2.6
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	4	0	0	1	0	1
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	50	25	25	99	60	51.8
rock	0	0	0	0	0	0
bare ground	43	75	70	0	35	44.6
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	47	Euc Benchm	Euc Benchmark
	No. Trees	3	No. Trees > =	Benchmark/ha		6
Non-Eucalypts	Avg DBH threshold		RE	32	Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
3-9.5	6.5	E	3-3.5	0.5	S			
25-39	14	E	13-13.5	0.5	S			
			16.5-18.5	2	S			
0-2	2	C	41-41.5	0.5	S			
21.5-23	1.5	C	45-45.5	0.5	S			
25.5-29	3.5	C						
30-31.5	1.5	C						
53-64.5	11.5	C						
65-71	6	C						
72-78.5	5.5	C				canopy total		38
87-92	5	C				subcanopy total		
96-97.5	1.5	C				emergent total		20.5
						shrub total		4

North

South

East

West

Ground

Biocondition Datasheet

Site ID	922				Date	2/12/2020	
Observers	Donovan Sharp,Matt H						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			723169		7063542		922
Plot centre			723132		7063575		923
Plot Bearing	NW	Plot Alignment Description					
Locality	Roma SD 22 Wilgavale						

Regional Ecosystem and Tree height

Habitat Description	11.9.10 young regrowth. Very dry.					
Regional Ecosystem	11.9.10	Median Tree canopy Height (m)	8			
	Emergent height (m)	18	Subcanopy ht (m)	5		

Site Photos	Plot centre	North	6168	South	6169	
Photo Numbers		East	6170	West	6171	
	Plot Origin			other	6172	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na					Eucalyptus crebra	Tree Spp. Count
Prescribed burn	na					Callitris glaucophylla	5
Logging	na					Grevillea striata	
Treatment	na					Brachychiton populneus	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<2%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						5
Storm	na						per ha (m)
Other (specify)	na						50

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Petalostigma pubescens	
	Carissa ovata	
Grass sp.		
	*Cenchrus ciliaris	
	Panicum effusum	
	Eragrostis brownii	
	Aristida caput-medusae	
	Chrysopogon fallax	
	Enteropogon acicularis	
Forbs/other sp.		
	Seringia collina	
	Chrysocephalum apiculatum	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	20	15	30	40	2	21.4
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	0	0
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	5	0	2	2	0	1.8
litter	30	50	40	25	10	31
rock	0	0	0	0	0	0
bare ground	45	35	28	33	88	45.8
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	47	Euc Benchm	Euc Benchmark	
	No. Trees	1	No. Trees > =	Benchmark/ha		2	
Non-Eucalypts	Avg DBH threshold		RE	32	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
50.5-58	7.5	E	53.5-56	2.5	SC			
			58-60	2	SC			
15-18.5	3.5	C	63.5-66.5	3	SC			
			71.5-76	4.5	SC			
11.5-13.5	2	SC	81-86	5	SC			
14-15	1	SC	90-92	2	SC			
22.5-26	3.5	SC	99.5-100	0.5	SC			
31.5-32.5	1	SC						
33-33.5	0.5	SC	45-45.5	0.5	Sh			
34.5-37	2.5	SC				canopy total		3.5
38-38.5	0.5	SC				subcanopy total		33.5
40.5-43	2.5	SC				emergent total		7.5
47.5-48.5	1	SC				shrub total		0.5

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1330				Date	2/12/2020	
Observers	Donovan Sharp, Matt H						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			723650		7061368		924
Plot centre			723686		7061331		925
Plot Bearing	E	Plot Alignment Description					
Locality	Roma SD 22 Wilgavale						
Regional Ecosystem and Tree height							
Habitat Description	Brigalow low regrowth Ground cover largely absent.						
Regional Ecosystem		11.9.5		Median Tree canopy Height (m)		4	
	Emergent height (m)		10	Subcanopy ht (m)			
Site Photos	Plot centre	North	6174	South	6175	S	
Photo Numbers		East	6176	West	6177		
	Plot Origin			other	6178		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia harpophylla	
Wildfire	na					Casuarina cristata	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						0
Storm	na						per ha (m)
Other (specify)	na						0

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Capparis lasiantha	
	Eremophila sp.	
	Citrus glauca	
	Acacia harpophylla	
	Carissa ovata	
	Atalaya hemiglauca	
Grass sp.		
	*Cenchrus ciliaris	
	Panicum effusum	
	Chloris truncata	
Forbs/other sp.		
	Salsola australis	
	Sclerolaena birchii	
	Sclerolaena bicornis	
	Abutilon oxycarpum	
	Einadia hastata	
	Enchylaena tomentosa	
	*Opuntia tomentosa	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	2	0	5	0	1.4
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	3	0	0	10	3	3.2
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	5	0	3	0	80	17.6
rock	0	0	0	0	0	0
bare ground	92	98	97	85	17	77.8
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	45	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0
Non-Eucalypts	Avg DBH threshold		RE	27	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
68-72	4	E						
11-16.5	5.5	C						
21.5-25	3.5	C						
55.5-57.5	2	C						
65.5-67	1.5	C						
69.5-71	1.5	C						
72-75.5	3.5	C						
78.5-81	2.5	C						
						canopy total		20
23.5-24.5	1	S				subcanopy total		
						emergent total		4
						shrub total		1

North

South

East

West

Ground

Biocondition Datasheet

Site ID	940					Date	3/12/2020
Observers	Donovan Sharp, Matt H						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			726360		7061132		940
Plot centre			726311		7061116		941
Plot Bearing	SW	Plot Alignment Description					
Locality	Roma SD 22						
	Burnside						

Regional Ecosystem and Tree height

Habitat Description							
Regional Ecosystem		11.9.10		Median Tree canopy Height (m)		9	
	Emergent height (m)		18	Subcanopy ht (m)		3	

Site Photos	Plot centre	North	6204	South	6205	S	
Photo Numbers		East	6206	West	6207		
	Plot Origin			other	6208		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia harpophylla	
Wildfire	na					Eucalyptus populnea	Tree Spp. Count
Prescribed burn	na					Eremophila deserti	7
Logging	na					Casuarina cristata	
						Atalaya hemiglauca	
						Eucalyptus crebra	
Treatment	na					Brachychiton rupestris	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cover		<1%			Specimen length (mm)		
Erosion	na						site total m
Regeneration		50%					109
Storm	na						per ha (m)
Other (specify)	na						1090

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.			
	Geijera parviflora		
	Eremophila sp.		
Grass sp.			
	Ancistrachne uncinulata		
	Enteropogon acicularis		
	Aristida caput-medusae		
Forbs/other sp.			
	Solanum ellipticum		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	0	0	0	0	0
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	2	0	0	0	0.4
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	88	82	85	40	50	69
rock	2	1	5	10	10	5.6
bare ground	10	15	10	50	40	25
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	45	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =		Benchmark/ha		0
Non-Eucalypts	Avg DBH threshold		RE	27	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =		Benchmark/ha		36

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
6.5-12	5.5	C	91-93	2	SC			
14-35	21	C	98-100	2	SC			
38.5-40	1.5	C						
42-44.5	2.5	C	42-43.5	1.5	SC			
46-48.5	2.5	C						
60-74	14	C						
76.5-88.5	12	C						
92.5-93	0.5	C						
38.5-42.5	4	SC				canopy total		59.5
60.5-62	1.5	SC				subcanopy total		12
79-81	2	SC				emergent total		
88-88.5	0.5	SC				shrub total		1.5

North

South

East

West

Ground

Biocondition Datasheet

Site ID	984				Date	4/12/2020	
Observers	Donovan Sharp, Matt H						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			726829		7064010		984
Plot centre			726782		7063991		985
Plot Bearing	W	Plot Alignment Description					
Locality	Roma SD 22						
	Burnside						
Regional Ecosystem and Tree height							
Habitat Description	11.3.2 low regrowth						
Regional Ecosystem		11.3.2		Median Tree canopy Height (m)		5	
	Emergent height (m)		22	Subcanopy ht (m)			
Site Photos	Plot centre	North	6278	South	6279	S	
Photo Numbers		East	6280	West	6281		
	Plot Origin			other	6282		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na						Tree Spp. Count
Prescribed burn	na						1
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cover		<1%			Specimen length (mm)		
Erosion	na						site total m
Regeneration		100%					3
Storm	na						per ha (m)
Other (specify)	na						30

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Maireana microphylla	
Grass sp.		
	Dichanthium sericeum	
	Heteropogon contortus	
	Aristida calycina	
	Aristida ramosa	
Forbs/other sp.		
	Sclerolaena birchii	
	Seringia collina	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	50	30	25	25	40	34
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	0	0
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	40	40	45	15	45	37
rock	0	0	0	0	0	0
bare ground	10	30	28	45	5	23.6
Cryptograms	0	0	2	15	10	5.4
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	40	Euc Benchm	Euc Benchmark	
	No. Trees	1	No. Trees > =	Benchmark/ha		2	
Non-Eucalypts	Avg DBH threshold		RE	NA	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
2.5-4.5	2	C						
12-15.5	3.5	C						
38.5-40.5	2	C						
44-49	5	C						
51.5-54	2.5	C						
68.5-72.5	4	C						
76-78.5	2.5	C						
95.5-99.5	4	C						
66.5-68	1.5	SC				canopy total		25.5
89.5-91	1.5	SC				subcanopy total		3
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	989					Date	4/12/2020
Observers	Donovan Sharp,Matt H						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			728539		7060935		989
Plot centre			728580		7060962		990
Plot Bearing	E	Plot Alignment Description					
Locality	Roma SD 22						
	The Paddock						

Regional Ecosystem and Tree height

Habitat Description	11.3.25 Remnant					
Regional Ecosystem		11.3.25	Median Tree canopy Height (m)		23	
	Emergent height (m)			Subcanopy ht (m)		

Site Photos	Plot centre	North	6271	South	6272	S	
Photo Numbers		East	6273	West	6274		
	Plot Origin			other	6275		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis	
Wildfire	na					Melaleuca bracteata	Tree Spp. Count
Prescribed burn	na					Acacia harpophylla	4
Logging	na					Eucalyptus populnea	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	100.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	0%						1
Storm	na						per ha (m)
Other (specify)	na						10

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Acacia excelsa	
Grass sp.		
	*Cenchrus ciliaris	
Forbs/other sp.		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	0	0	0	0	0
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	0	0
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	50	40	60	90	60	60
Non-native forbs and shrubs	0	0	0	0	0	0
litter	45	50	40	10	20	33
rock	0	0	0	0	0	0
bare ground	5	10	0	0	20	7
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	49	Euc Benchm	Euc Benchmark	
	No. Trees	10	No. Trees > =	Benchmark/ha		20	
Non-Eucalypts	Avg DBH threshold		RE	29	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0.5-15	14.5	C						
31.5-63.5	32	C						
75-100	25	C						
37-38	1	S						
						canopy total		71.5
						subcanopy total		
						emergent total		
						shrub total		1

North

South

East

West

Ground

Biocondition Datasheet

Site ID	989					Date	4/12/2020
Observers	Donovan Sharp,Matt H						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			728539		7060935		989
Plot centre			728580		7060962		990
Plot Bearing	E	Plot Alignment Description					
Locality	Roma SD 22						
	The Paddock						

Regional Ecosystem and Tree height

Habitat Description	11.3.25 Remnant					
Regional Ecosystem		11.3.25	Median Tree canopy Height (m)		23	
	Emergent height (m)			Subcanopy ht (m)		

Site Photos	Plot centre	North	6271	South	6272	S	
Photo Numbers		East	6273	West	6274		
	Plot Origin			other	6275		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis	
Wildfire	na					Melaleuca bracteata	Tree Spp. Count
Prescribed burn	na					Acacia harpophylla	4
Logging	na					Eucalyptus populnea	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	100.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	0%						1
Storm	na						per ha (m)
Other (specify)	na						10

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Acacia excelsa	
Grass sp.		
	*Cenchrus ciliaris	
Forbs/other sp.		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	0	0	0	0	0
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	0	0
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	50	40	60	90	60	60
Non-native forbs and shrubs	0	0	0	0	0	0
litter	45	50	40	10	20	33
rock	0	0	0	0	0	0
bare ground	5	10	0	0	20	7
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	49	Euc Benchm	Euc Benchmark	
	No. Trees	10	No. Trees > =	Benchmark/ha		20	
Non-Eucalypts	Avg DBH threshold		RE	29	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0.5-15	14.5	C						
31.5-63.5	32	C						
75-100	25	C						
37-38	1	S						
						canopy total		71.5
						subcanopy total		
						emergent total		
						shrub total		1

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1007				Date	15/02/2020	
Observers	Donovan Sharp, Matt H						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			731895		7060242		1007
Plot centre			731847		7060233		1008
Plot Bearing	W	Plot Alignment Description					
Locality	Roma SD 22						
	Myalla						
Regional Ecosystem and Tree height							
Habitat Description	HVR 11.7.2						
Regional Ecosystem		11.7.2		Median Tree canopy Height (m)		8	
	Emergent height (m)			Subcanopy ht (m)		2	

Site Photos	Plot centre	North	6321	South	6322	S	
Photo Numbers		East	6323	West	6324		
	Plot Origin			other	6325		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia shirleyi	
Wildfire	na					Eucalyptus crebra	Tree Spp. Count
Prescribed burn	na					Eucalyptus chloroclada	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						360
Storm	na						per ha (m)
Other (specify)	na						3600

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Acacia burrowii	
Grass sp.		
	Aristida caput-medusae	
Forbs/other sp.		
	Lomandra multiflora	
	Cyperus sp.	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	10	5	5	0	5	5
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	0	0
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	30	95	70	55	90	68
rock	5	0	5	5	0	3
bare ground	55	0	20	40	5	24
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	41	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0
Non-Eucalypts	Avg DBH threshold		RE	26	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-1.5	1.5	C						
12-16.5	4.5	C						
30.5-44.5	14	C						
51-60	9	C						
61-76	15	C						
79-81	2	C						
82.5-86	3.5	C						
96.5-100	3.5	C						
						canopy total		53
87.5-89.5	2	SC				subcanopy total		2
						emergent total		
42.5-43	0.5	S				shrub total		0.5

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1171				Date	9/02/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			735131		7061009		1171
Plot centre			735077		7061011		1172
Plot Bearing	W	Plot Alignment Description					
Locality	Roma SD 22						
	Highfield						

Regional Ecosystem and Tree height

Habitat Description	Advanced regrowth					
Regional Ecosystem	11.5.1		Median Tree canopy Height (m)		17	
	Emergent height (m)			Subcanopy ht (m)	7	

Site Photos	Plot centre	North	6624	South	6625	S	
Photo Numbers		East	6626	West	6627		
	Plot Origin			other	6628		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	50%						30
Storm	na						per ha (m)
Other (specify)	na						300

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Petalostigma pubescens	
	Denhamia cunninghamii	
Grass sp.	Aristida caput-medusae	
	Aristida jerichoensis	
	Eragrostis brownii	
Forbs/other sp.	Fimbristylis sp.	
	Sida corrugata	
	Opuntia tomentosa*	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	10	20	10	15	11
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	5	1
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	5	0	15	5	5
litter	10	85	65	70	25	51
rock	0	0	0	0	0	0
bare ground	90	0	15	5	50	32
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	44	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha			
Non-Eucalypts	Avg DBH threshold		RE	24	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha			

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
19-22.5	3.5	C		8	c			
26-33	7	C						
46-51	5	C						
58-65	7	C						
84-85	1	C						
12-14	2							
15-16	1							
26-28	2							
34-39	5					canopy total		23.5
43-45	2					subcanopy total		17
55-58	3					emergent total		
66-68	2					shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1171				Date	9/02/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			735131		7061009		1171
Plot centre			735077		7061011		1172
Plot Bearing	W	Plot Alignment Description					
Locality	Roma SD 22						
	Highfield						

Regional Ecosystem and Tree height

Habitat Description	Advanced regrowth					
Regional Ecosystem	11.5.1		Median Tree canopy Height (m)		17	
	Emergent height (m)			Subcanopy ht (m)	7	

Site Photos	Plot centre	North	6624	South	6625	S	
Photo Numbers		East	6626	West	6627		
	Plot Origin			other	6628		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	50%						30
Storm	na						per ha (m)
Other (specify)	na						300

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Petalostigma pubescens	
	Denhamia cunninghamii	
Grass sp.	Aristida caput-medusae	
	Aristida jerichoensis	
	Eragrostis brownii	
Forbs/other sp.	Fimbristylis sp.	
	Sida corrugata	
	Opuntia tomentosa*	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	10	20	10	15	11
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	5	1
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	5	0	15	5	5
litter	10	85	65	70	25	51
rock	0	0	0	0	0	0
bare ground	90	0	15	5	50	32
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	44	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha			
Non-Eucalypts	Avg DBH threshold		RE	24	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha			

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
19-22.5	3.5	C		8	c			
26-33	7	C						
46-51	5	C						
58-65	7	C						
84-85	1	C						
12-14	2							
15-16	1							
26-28	2							
34-39	5					canopy total		23.5
43-45	2					subcanopy total		17
55-58	3					emergent total		
66-68	2					shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1229					Date	10/02/2021
Observers	Donovan Sharp, Heath Agnew						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	740573	Northing	7060502		
Plot origin			740527		7060516		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Romalls Station						

Regional Ecosystem and Tree height

Habitat Description	young regrwoth						
Regional Ecosystem		11.3.25		Median Tree canopy Height (m)		10	
	Emergent height (m)		16		Subcanopy ht (m)	5	

Site Photos	Plot centre	North	6720	South	6721	S	
Photo Numbers		East	6722		6723		
	Plot Origin			other			

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis	
Wildfire	na					Eucalyptus crebra	Tree Spp. Count
Prescribed burn	na					Calllitris glaucophylla	4
Logging	na					Alphitonia excelsa	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	100.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						
Storm	na						29.5
Other (specify)	na						295

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Acacia leiocarpa	
	Opuntia tomentosa*	
Grass sp.		
	Cenchrus ciliaris*	
	Aristida caput-medusae	
	Ophiuros sp	
	Megathyrsus maximus*	
	Paspallidium distans	
	Melinis repens*	
	Eragrostis sp	
	Arundienella nepalensis	
Forbs/other sp.		
	Glanduligera aristigera*	
	Jasmimum simplicifolium	
	Cynathillium cinereum	
	Solanum sp.	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	30	0	0	25	0	11
Native non-preferred grass	0	0	0	0	0	
Native forbs and other species	0	0	5	0	0	1
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	40	10	0	45	19
Non-native forbs and shrubs	0	0	0	0	0	0
litter	60	60	80	10	15	45
rock	0	0	0	0	0	0
bare ground	10	0	5	65	40	0
Cryptograms	0	0	0	0	0	
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees Plot size 100x 50 | 100x 20 | 100 x 10

Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha	0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	10	c						
	5	s						
	3	s						
	1	s						
	11	c						
	7	c						
	3	s						
	4	c						
						canopy total		22
						subcanopy total		12
						emergent total		
						shrub total		0

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1232			Date	1/03/2021
Observers	Donovan Sharp, Heath Agnew				

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	740113	Northing	7060235		
Plot origin			740116		7060283		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Romalls Station						

Regional Ecosystem and Tree height

Habitat Description	advanced regrowth					
Regional Ecosystem	11.5.1		Median Tree canopy Height (m)		6	
	Emergent height (m)	12		Subcanopy ht (m)		

Site Photos	Plot centre	North	6728	South	6729	S	
Photo Numbers		East	6730	West	6731		
	Plot Origin			other			

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na				Alphitonia ex	Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Acacia salicina	6
Logging	na					Grevillea striata	
Treatment	na					Angohpora leicocarpa	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	80.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						49.5
Storm	na						per ha (m)
Other (specify)	na						495

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijera parvifloa	
Grass sp.	Cenchrus ciliaris*	
	Aristida caput-medusae	
	Eriachne mucronata	
	Eragrostis lacunaria	
	Fimbristylis dichotoma	
	Eragrostis brownii	
	Paspallidium distans	
	Chloris truncata	
Forbs/other sp.		
	Melhania sp	
	Sida corrugata	
	Solanum ellipticum	
	*Malvastrum americanum	
	Solanum coracinum	
	Cheilanthes seiberi	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	5	15	10	30	12
Native non-preferred grass	0	0	0	0	0	
Native forbs and other species	5	5	0	0	0	2
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	15	0	10	0	5
Non-native forbs and shrubs	35	0	10	0	0	0
litter	45	50	45	75	60	55
rock	0	0	0	0	0	0
bare ground	15	25	30	5	10	0
Cryptograms	0	0	0	0	0	
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		0
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	9	E						
	2	c						
	9	c						
	13.5	c						
	4	E						
						canopy total		24.5
						subcanopy total		
						emergent total		13
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1242				Date	10/02/2021
Observers	Donovan Sharp, Heath Agnew					

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South
Datum	GDA94					
Zone	55 J	Easting	734205	Northing	7055801	
Plot origin			734148		7055806	
Plot centre						
Plot Bearing		Plot Alignment Description				
Locality	Roma SD 22					

Regional Ecosystem and Tree height

Habitat Description	Myall TEC non-functional					
Regional Ecosystem		11.3.2	Median Tree canopy Height (m)			
	Emergent height (m)		Subcanopy ht (m)			

Site Photos	Plot centre	North	6742	South	6743	S
Photo Numbers		East	6744	West	6745	
	Plot Origin			other		

Disturbance					**100 x 50m Area: Tree SPP. Richness**	
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia pendula Eremophila deserti
Wildfire	na					Tree Spp. Count
Prescribed burn	na					2
Logging	na					
Treatment	na					
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris	
Non-native plant cove	80.00%				Specimen length (mm)	
Erosion	na					site total m
Regeneration	100%					14
Storm	na					per ha (m)
Other (specify)	na					

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
Grass sp.		
	Aristida calycina	
	Austrostipa verticillata	
	*Cenchrus ciliaris	
	Sporobolus caroli	
	*Urochloa panicoides	
	Eragrostis brownii	
	Paspalidium distans	
	Panicum effusum	
Forbs/other sp.		
	Sclerolaena birchii	
	Portulaca australis	
	Sclerolaena bicornis	
	Maireana microphylla	
	Sclerolaena sp.	
	Enchylaena tomentosa	

Biocondition datasheet (cont.)							
10 x 10m Plots: Ground Cover							
Ground cover type		1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass				25			25
Native non-preferred grass							
Native forbs and other species		2.5	55	35	30	80	40.5
Native shrubs (< 1m height)							#DIV/0!
Non-native grass		7.5	15				11.25
Non-native forbs and shrubs							0
litter		10	10	30	25	15	18
rock							#DIV/0!
bare ground		80	20	10	45	5	0
Cryptograms							
Total		100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		0
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
26-32	6	C		8	c			
45-53	8	C						
71-84	13	C						
94-100	6	C						
						canopy total		33
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1247					Date	11/02/2021
Observers	Donovan Sharp, Heath Agnew						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	735110	Northing	7056212		
Plot origin			735113		7056199		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22						

Regional Ecosystem and Tree height

Habitat Description	regrowth						
Regional Ecosystem		11.3.25		Median Tree canopy Height (m)		10	
	Emergent height (m)				Subcanopy ht (m)	6	

Site Photos	Plot centre	North	6749	South	6750	S	
Photo Numbers		East	6751	West	6752		
	Plot Origin			other	3753		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	80.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						55.5
Storm	na						per ha (m)
Other (specify)	na						555

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Dodonaea viscosa	
Grass sp.	Cenchrus ciliaris*	
	Eragrostis collina	
	Heteropogon contortus	
	Aristida jerichoensis	
	Arisitda romosa	
	Peotis rara	
	Melinis repens*	
	Digitaria divaricatisima	
Forbs/other sp.	Fimbrystylis dichotoma	
	Portulacca pilosa	
	Opuntia tomentosa*	
	Abutilon oxycarpon	
	Sida corrugata	
	Amaranthus spinosus*	
	Chrysocephalum apiculatum	
	*Glandularia aristigera	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

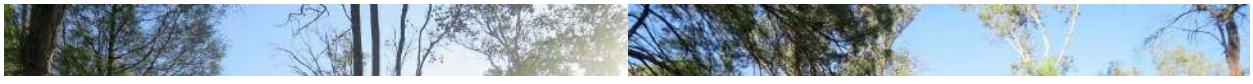
Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	10	15	30	35	0	18
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	5	10	5	4
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	60	65	0	10	60	39
Non-native forbs and shrubs	5	0	0	0	5	0
litter	0	20	60	30	10	24
rock	0	0	0	0	0	0
bare ground	25	0	5	15	20	0
Cryptograms	0	0	0	0	0	
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	0	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE	0	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	5	C						
	17.5	C						
	13.5	C						
	18	C						
	2	C						
						canopy total		56
						subcanopy total		
						emergent total		
						shrub total		



North

South

East

West

Ground

Biocondition Datasheet

Site ID	1249					Date	11/02/2021
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	734951	Northing	7056259		
Plot origin			734903		7056204		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Lagoons station						
Regional Ecosystem and Tree height							
Habitat Description	regrowth						
Regional Ecosystem		11.5.5		Median Tree canopy Height (m)		13	
	Emergent height (m)			Subcanopy ht (m)		8	
Site Photos	Plot centre	North	6754	South	6755	S	
Photo Numbers		East	6756	West	6757		
	Plot Origin			other			

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus melanophloia	
Wildfire	na					Angophora leiocarpa	Tree Spp. Count
Prescribed burn	na					Callitris galucophylla	
Logging	na					Eucalyptus poplunea	
Treatment	na						4
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	10.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						14
Storm	na						per ha (m)
Other (specify)	na						140

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.			
	Petalostigma pubscens		
	Geijera parviflora		
	Psydrax olieofolia		
	Acacia decora		
	Notloaea longfolia		
Grass sp.	Cenchrus ciliaris*		
	Heteropgon contortus		
	Parotis rara		
	Eragrostis brownii		
	Aristida holathera		
	Panicum effusum		
	Urochloa mombasciensis*		
Forbs/other sp.	Chyrocephalum apiculatum	Opuntia tomentosa*	
	Fimbrystilis dichotoma	Dysphania carinata	
	Cheilanthes seiberi	Cyprus difformis	
	Lomandra sp	Comelina diffusa	
	Sclerolaena birchii	Einadia hastata	
	Portulacca australis	Solanum ellipticum	
	Clandrinia sp	Sida corrugata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	0	20	0	0	4
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	3	55	35	30	80	40.6
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	7	15	0	0	0	4.4
Non-native forbs and shrubs	0	0	0	0	0	0
litter	10	10	30	25	15	18
rock	0	0	0	0	0	0
bare ground	80	20	15	45	5	33
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	0	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE	0	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	2	s						
	3.5	s						
	15	s						
	20	s						
	4	c						
	1	s						
						canopy total		4
						subcanopy total		41.5
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1255					Date	11/02/2021
Observers	Donovan Sharp, Heath Agnew						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	735109	Northing	7056577		
Plot origin			735077		7056616		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22						

Regional Ecosystem and Tree height

Habitat Description	young regrowth						
Regional Ecosystem		11.5.5		Median Tree canopy Height (m)		6	
	Emergent height (m)				Subcanopy ht (m)		

Site Photos	Plot centre	North	6762	South	6763	S	
Photo Numbers		East	6764	West	6765		
	Plot Origin			other			

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus melanophloia	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Allocasuarina leuhmanii	4
Logging	na					Angophora leiocarpa	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						36
Storm	na						per ha (m)
Other (specify)	na						360

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Psydrax odorata	
	Petalostigma pubescens	
	Alstonia constricta	
Grass sp.	Cenchrus ciliaris*	
	Paspallidium distans	
	Eragrostis brownii	
	Aristida ramosa	
	Aristida calycina	
	Chrysopogon fallax	
	Eriachne mucronata	
Forbs/other sp.	Solanum sp.	
	Portulacca pilosa	
	Sida corrugata	
	Corchorus trilocularis	
	Evolvulus alsinoides	
	Fimbristylis dichotoma	
	Cyperus exaltatus	
	Opuntia tomentosa*	
	Comelina diffusa	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	60	25	15	15	30	29
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	0	0
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	5	5	0	0	0	2
litter	20	30	50	20	40	32
rock	0	5	0	5	0	2
bare ground	15	35	35	60	30	35
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	0	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE	0	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	4	c						
	2	s						
	7	c						
	8	c						
	3	s						
	1.5	s						
	1	c						
	9	c						
	5	s						
						canopy total		25
						subcanopy total		11.5
						emergent total		
						shrub total		0

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1278			Date	11/02/2021
Observers	Donovan Sharp, Heath Agnew				

Site Information:

100x50m Area:

Location (GPS reference)				Bioregion	Brigalow Belt South
Datum	GDA94				
Zone	55 J	Easting	736089	Northing	7058554
Plot origin			736043		7058864
Plot centre					
Plot Bearing		Plot Alignment Description			
Locality	Roma SD 22 Lagoons Station				

Regional Ecosystem and Tree height

Habitat Description	remnant				
Regional Ecosystem	11.3.2		Median Tree canopy Height (m)		18
	Emergent height (m)			Subcanopy ht (m)	7

Site Photos	Plot centre	North		South		S
Photo Numbers		East		West		
	Plot Origin			other		

Disturbance					**100 x 50m Area: Tree SPP. Richness**	
Type	mean fire scar height	severity	last event	obs type	Tree Species	Euclayptus populnea Allocasuarina luehmanii Callitris glaucophylla
Wildfire	na					Tree Spp. Count
Prescribed burn	na					3
Logging	na					
Treatment	na					
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris	
Non-native plant cove	15.00%				Specimen length (mm)	
Erosion	na					site total m
Regeneration	66%					25
Storm	na					per ha (m)
Other (specify)	na					250

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijera parviflora	
	Grevillea striata	
	Eremophila sp	
Grass sp.	Cenchrus ciliaris*	
	Aristida caput-medusae	
	Enteropogon acicularis	
	Eragrostis brownii	
Forbs/other sp.	Cyperus exaltatus	
	Evolvus alsinoides	
	Einadia trigonos	
	Cheilanthes seiberi	
	Fimbristylis dochotoma	
	Solanum ellipticum	
	Sida corrugata	
	Nyssnathes erecta	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	30	10	10	45	10	21
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	5	5	5	0	4
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	10	0	0	0	5	3
Non-native forbs and shrubs	0	0	0	0	0	0
litter	45	45	40	25	65	44
rock	0	0	5	0	5	2
bare ground	10	40	40	25	15	26
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees Plot size 100x 50 | 100x 20 | 100 x 10

Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		0
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	3	s						
	1	s						
	29	s						
	5	c						
	4	s						
	5	s						
	3.5	c						
	1	s						
	9	c						
						canopy total		17.5
						subcanopy total		40
						emergent total		
						shrub total		1

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1328			Date	11/02/2021
Observers	Donovan Sharp, Heath Agnew				

Site Information:

100x50m Area:

Location (GPS reference)				Bioregion	Brigalow Belt South
Datum	GDA94				
Zone	55 J	Easting	735137	Northing	7055345
Plot origin			735090		7055327
Plot centre					
Plot Bearing		Plot Alignment Description			
Locality	Roma SD 22 lagoons				

Regional Ecosystem and Tree height

Habitat Description	remnant				
Regional Ecosystem	11.3.25		Median Tree canopy Height (m)		16
	Emergent height (m)			Subcanopy ht (m)	

Site Photos	Plot centre	North	6804	South	6805	S	
Photo Numbers		East	6806	West	6807		
	Plot Origin			other			

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis	
Wildfire	na					Euclayptus populnea	Tree Spp. Count
Prescribed burn	na					Melaleuca viminalis	
Logging	na					Acacia salicina	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cover					Specimen length (mm)		
Erosion	na						site total m
Regeneration							5.5
Storm	na						per ha (m)
Other (specify)	na						22

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijrea parvflora	
	Vachellia farnesiana*	
Grass sp.	Megathyrsus maximus*	
	Themeda traindra	
	Dichanthium sericeum	
	Arundianella nepaliensis	
	Cenchrus ciliaris*	
Forbs/other sp.	Portulacca australis	
	Malvastrum americanum	
	Maireana microphylla	
	Schlerolaena brichii	
	Sida corrugata	
	*Glandularia aristigera	
	Alternanthera nana	
	Lomandra hystrix	
	Chrysocephalum apliculata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	90	85	65	35	100	75
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	25	0	0	5
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	5	10	5	30	0	10
rock	0	0	0	0	0	0
bare ground	5	5	5	35	0	10
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	8	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	1	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	5							
	8							
	50							
						canopy total		63
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1330					Date	12/02/2021
Observers	Donovan Sharp, Heath Agnew						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	723202	Northing	7062793		
Plot origin			726209		7062760		
Plot centre							
Plot Bearing	NW	Plot Alignment Description					
Locality	Roma SD 22						
	Burnside Station						

Regional Ecosystem and Tree height

Habitat Description	remnant						
Regional Ecosystem		11.9.10		Median Tree canopy Height (m)		14	
	Emergent height (m)			Subcanopy ht (m)		9	

Site Photos	Plot centre	North	6809	South	6810	S	
Photo Numbers		East	6811	West	6812		
	Plot Origin			other	6813		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na					Acacia harpophylla	Tree Spp. Count
Prescribed burn	na					Casuarina cristata	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	< 5				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						104
Storm	na						per ha (m)
Other (specify)	na						1040

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijera parvflora	
	Eremophila mitchellii	
	Carissa ovata	
Grass sp.		
	Eragrostis brownii	
Forbs/other sp.		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	0	0	0	0	0
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	0	0	0	0
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	90	70	40	75	80	71
rock	4	5	15	10	10	8.8
bare ground	6	25	45	15	10	20.2
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	2	Euc Benchm	Euc Benchmark
	No. Trees	1	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE	6	Euc Benchm	Euc Benchmark
	No. Trees	3	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	3	s		12	SH			
	1	c		16	SH			
	4	c		5	SH			
	2	c		3	SH			
	4	s		1	SH			
				22	SH			
						canopy total		7
						subcanopy total		7
						emergent total		
						shrub total		59

North

South

East

West

Ground

Biocondition Datasheet

Site ID						Date	12/02/2021
Observers	Donovan Sharp, Heath Agnew						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	725449	Northing	7063082		
Plot origin			725498		7063085		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Burnisde Station						

Regional Ecosystem and Tree height

Habitat Description	advanced regrowth						
Regional Ecosystem		11.5.5		Median Tree canopy Height (m)		12	
	Emergent height (m)				Subcanopy ht (m)	3	

Site Photos	Plot centre	North	6614	South	6615	S	
Photo Numbers		East	6616	West	6617		
	Plot Origin			other	6618		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus melanophloia	
Wildfire	na					Eucalyptus populnea	Tree Spp. Count
Prescribed burn	na					Acacia harpophylla	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						54
Storm	na						per ha (m)
Other (specify)	na						540

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.			
	Geijera parviflora		
	Santalum lanceolatum		
	Eremophila sp.		
	Acacia decora		
	Citrus glauca		
Grass sp.	Aristida calycina		
	Chloris truncata		
	Cenchrus ciliaris*		
	Enteropogon acicularis		
	Panicum effusum		
	Paspallidium distans		
	Sporobolus caroli		
Forbs/other sp.	Malvastrum americanum	Boerhavia dominii	
	Sclerolaena birchii		
	Abutilon oxycarpon		
	Maireana microphylla		
	Sida sp		
	Harrissia martini*		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	65	0	15	15	0	19
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	10	0	10	15	0	7
Native shrubs (< 1m height)	0	0	10	0	0	2
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	20	35	50	50	10	33
rock	0	0	0	0	0	0
bare ground	5	65	15	20	90	39
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	9	c		1	sh			
	6	c		1	sh			
	14	c		1	sh			
	7	c						
						canopy total		36
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1334					Date	12/02/2021
Observers	Donovan Sharp, Heath Agnew						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	725519	Northing	7063031		
Plot origin			725571		7063041		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22						

Regional Ecosystem and Tree height

Habitat Description	advanced regrowth						
Regional Ecosystem		11.9.10		Median Tree canopy Height (m)		9	
	Emergent height (m)			Subcanopy ht (m)			

Site Photos	Plot centre	North	6819	South	6820	S	
Photo Numbers		East	6821		6822		
	Plot Origin			other	6823		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia harpophylla	
Wildfire	na					Eucalyptus populnea	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	< 1				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						77
Storm	na						per ha (m)
Other (specify)	na						770

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijera parviflora	
	Citrus glauca	
	Eremophila mitchellii	
Grass sp.	Aristida Holathera	
	Paspallidium distans	
	Chloris truncata	
	Ancistrachne uncinulata	
	Sporobolus australis	
	Enteropogon acicularis	
	Aristida calycina	
Forbs/other sp.	Sclerolaena birchii	
	Harissia martinii*	
	Solanum ellipticum	
	Abuliton oxycarpon	
	Comellina difusa	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	0	5	10	0	3
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	20	5	0	5	15	9
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	80	95	95	85	80	87
rock	0	0	0	0	0	0
bare ground	0	0	0	0	5	1
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	3.5	c						
	1	c						
	3	c						
	9	c						
	3.5	c						
	15	c						
	12.5	c						
	6	c						
	7	s						
	1	c				canopy total		62.5
	2	c				subcanopy total		7
	6	c				emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1336					Date	13/02/2021
Observers	Donovan Sharp, Heath Agnew						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	727380	Northing	7062930		
Plot origin			727373		7062981		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Burnside Station						

Regional Ecosystem and Tree height

Habitat Description	11.3.2 remnant						
Regional Ecosystem		11.3.2		Median Tree canopy Height (m)		18	
	Emergent height (m)				Subcanopy ht (m)	9	

Site Photos	Plot centre	North	6824	South	6825	S	
Photo Numbers		East	6826	West	6827		
	Plot Origin			other	6828		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus populnea	
Wildfire	na					Geijera parviflora	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	< 1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						70
Storm	na						per ha (m)
Other (specify)	na						700

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijera parviflora	
	Eremophila mitchellii	
	Citrus glauca	
	Capparis lasiantha	
Grass sp.	Chloris truncata	
	Paspalidium distans	
	Arisitda ramosa	
	Aristida calycina	
	Aristida caput-medusae	
	Enteropogon ascicularis	
	Sporobolus carolii	
Forbs/other sp.	Harissia martinii*	
	Einadia hastata	
	Abutilon oxycarpon	
	Sclerolaena bicornis	
	Sclerolaena birchii	
	Glandularia aristigera*	
	Nyssanthes erecta	
	Sida corrugata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	2.5	5	5	5	30	9.5
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	2.5	0	0	2.5	15	4
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	80	55	65	80	30	62
rock	0	0	0	0	0	0
bare ground	15	40	30	12.5	25	24.5
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	30	c						
	1	s						
	3.5	s						
	5	s						
	4	c						
	6	s						
	4	c						
	1	s						
	7	c						
	1.5	c				canopy total		34.5
	18	c				subcanopy total		16.5
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1348				Date	2/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			723234		7062814		1348
Plot centre			723217		7062866		1349
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Wilgavale						

Regional Ecosystem and Tree height

Habitat Description	11.7.6 regrowth. Crebra regrowth with Callitris understorey. Sandy and rocky.						
Regional Ecosystem		11.7.6		Median Tree canopy Height (m)		12	
	Emergent height (m)				Subcanopy ht (m)	8	

Site Photos	Plot centre	North	6856	South	6857	S	
Photo Numbers		East	6858	West	6859		
	Plot Origin			other	6860 6861		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Corymbia tessellaris	4
Logging	na					Brachychiton populneus	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						19.5
Storm	na						per ha (m)
Other (specify)	na						195

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Carissa ovata		
	Pittosporum spinescens		
	Psydrax oleifolia		
Grass sp.	Enneapogon truncatus	Echinopogon caespitosus	
	Digitaria divaricatissima	Urochloa panicoides*	
	Aristida calycina		
	Eragrostis brownii		
	Cenchrus ciliaris*		
	Aristida jerichoensis		
	Fimbristylis dichotoma		
	Panicum effusum		
	Cymbopogon refractus		
Forbs/other sp.	Nyssanthes erecta	Commelina diffusa	
	Evolvulus alsinoides	Euphorbia tannensis	
	Plectranthus scutellarioides	Dysphania carinata	
	Portulaca sp.	Cyperus betchei	
	Solanum ellipticum	Cheilanthes sieberi	
	*Malvastrum americanum	Seringia collina	
		Sida corrugata	
		Einadia hastata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	25	10	20	15	15	17
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	15	5	5	0	5	6
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	45	30	30	65	30	40
rock	0	0	0	0	0	0
bare ground	15	45	45	20	50	35
Cryptograms	0	0	0	0	0	0
Total	100	90	100	100	100	98

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	49	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha		0	
Non-Eucalypts	Avg DBH threshold		RE	23	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
3.5-12	8.5	C						
24.5-28	3.5	C						
31-37	6	C						
54-69	5	C						
91-95	4	C						
0-2	2	S						
15-16	16	S						
21.5-24	2.5	S						
29-32	3	S				canopy total		27
33-46	13	S				subcanopy total		57
50.5-86	36	S				emergent total		
						shrub total		

North

South

East

West

Ground

Ground

Biocondition Datasheet

Site ID	1340				Date	1/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			722937		7062883		1340
Plot centre			722946		7062833		1341
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22						

Regional Ecosystem and Tree height

Habitat Description	Base of rocky jumpup. Regrowth.						
Regional Ecosystem		11.7.6		Median Tree canopy Height (m)		14	
	Emergent height (m)				Subcanopy ht (m)	5	

Site Photos	Plot centre	North	6834	South	6835	S	
Photo Numbers		East	6836	West	6837		
	Plot Origin			other	6838		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus woollsiana	
Wildfire	na					Casuarina cristata	Tree Spp. Count
Prescribed burn	na						7
Logging	na					Psydrax oleifolia	
Treatment	na					Callitris glaucophylla	
						Brachychiton populneus	
						Brachychiton rupestris	
						Eucalyptus populnea	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	0%						98
Storm	na						per ha (m)
Other (specify)	na						980

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Carissa ovata		
	Psydrax oleifolia		
	Geijera parviflora		
	Eremophila deserti		
	Capparis lasiantha		
Grass sp.	Paspalidium distans		
	Cenchrus ciliaris*		
	Ancistrachne uncinulata		
	Sporobolus australasicus		
	Dactyloctenium radulans		
Forbs/other sp.	Evolvulus alsinoides	Jasminum simplicifolium	
	Seringia collina	Opuntia tomentosa*	
	Portulaca australis	Portulaca pilosa	
	Tetragonia tetragonoides	Maireana microphylla	
	Solanum ellipticum	Harrisia martinii*	
	Sclerolaena birchii	Abutilon oxycarpum	
	Einadia hastata	Malvastrum americanum	
		Alternanthera nana	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	25	35	5	2.5	2.5	14
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	0	0	2.5	0	1.5
Native shrubs (< 1m height)	0	0	10	0	0	2
Non-native grass	0	0	15	0	2.5	3.5
Non-native forbs and shrubs	0	5	0	0	0	1
litter	55	55	65	85	20	56
rock	0	0	0	0	0	0
bare ground	20	5	5	10	75	23
Cryptograms	0	0	0	0	0	0
Total	105	100	100	100	100	101

100 x 50m Area: Large Trees Plot size 100x 50 100x 20 100 x 10

Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH

Eucalypts	Avg DBH threshold		RE	46	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		0
Non-Eucalypts	Avg DBH threshold		RE	23	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
C	0-2.5	2.5		8	c			
C	13-73	60						
C	90-97	7						
C	99-100	1						
S	5.5-6.5	1						
						canopy total		75
						subcanopy total		1
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1342				Date	1/03/2021
Observers	Donovan Sharp, Heath Agnew					

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South
Datum	GDA94					
Zone	55 J	Easting		Northing		
Plot origin			723093		7062824	1342
Plot centre			723090		7062775	1343
Plot Bearing		Plot Alignment Description				
Locality	Roma SD 22 Wilgavale					

Regional Ecosystem and Tree height

Habitat Description	Regrowth 11.7.6. Some relictual emergents. Shrub layer largely absent. Sandy loam rocky.					
Regional Ecosystem		11.7.6	Median Tree canopy Height (m)		13	
	Emergent height (m)		18	Subcanopy ht (m)		

Site Photos	Plot centre	North	6839	South	6840	S
Photo Numbers		East	6841	West	6842	
	Plot Origin			other	6843	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Eucalyptus woollsiana	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	0%						26
Storm	na						per ha (m)
Other (specify)	na						260

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Bursaria incana		
	Psydrax oleifolia		
Grass sp.	Eragrostis brownii		
	Eragrostis lacunaria		
	Dactyloctenium radulans		
	Enneapogon truncatus		
	Enneapogon robustissimus		
	Panicum effusum		
	Aristida caput-medusae		
	Cymbopogon refractus		
	Aristida calycina		
Forbs/other sp.	Nyssanthes erecta	Cheilanthes sieberi	
	Evolvulus alsinoides	*Harrisia martinii	
	Seringia collina	*Malvastrum americanum	
	Dysphania carinata	Jasminum simplicifolium	
	Portulaca australis	Solanum ellipticum	
	Salvia plebeia	Tragus australianus	
	Commelina diffusa	Cyperus gracilis	
	Einadia hastata	Fimbristylis dichotoma	
		Cyperus betchei	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	80	20	15	10	5	26
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	40	5	35	0	16
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	10	30	45	15	40	28
rock	0	0	25	40	20	17
bare ground	10	10	10	0	35	13
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha			0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
1-3	2	E						
13-17	4	C						
17-28.5	11.5	C						
31-37	6	C						
37-43	6	C						
69-73	4	C						
80-90	10	C						
						canopy total		41.5
						subcanopy total		
						emergent total		2
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1344				Date	1/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			724756		7060159		1344
Plot centre			724801		7060181		1345
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22						
	Wilgavale						

Regional Ecosystem and Tree height

Habitat Description						
Regional Ecosystem	11.7.2		Median Tree canopy Height (m)	10		
	Emergent height (m)			Subcanopy ht (m)	6	

Site Photos	Plot centre	North	6844	South	6845	S	
Photo Numbers		East	6846	West	6847		
	Plot Origin			other	6848		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia shirleyi	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Hakea lorea subsp. lorea	6
Logging	na					Eucalyptus populnea	
Treatment	na					Casuarina cristata	
						Allocasuarina luehmannii	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	60%						49
Storm	na						per ha (m)
Other (specify)	na						490

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijera parviflora	
Grass sp.	Aristida caput-medusae	
	Paspalidium distans	
	Eragrostis sp.	
	Austrostipa verticillata	
Forbs/other sp.	Seringia collina	
	Abutilon oxycarpum	
	Oxalis perennans	
	Cheilanthes sieberi	
	Dysphania carinata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	20	0	0	5	70	19
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	20	60	5	25	0	22
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	20	20	15	45	20	24
rock	0	0	0	0	0	0
bare ground	40	20	80	30	10	36
Cryptograms	0	0	0	0	0	0
Total	100	100	100	105	100	101

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		0
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
18-28.5	11	C						
32.5-40	7.5	C						
85-90.5	5.5	C						
0-1	1	S						
5-7	2	S						
50-52	2	S						
69-70	1	S						
87-93	6	S						
95-100	5	S				canopy total		24
						subcanopy total		17
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1348				Date	2/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			723234		7062814		1348
Plot centre			723217		7062866		1349
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Wilgavale						

Regional Ecosystem and Tree height

Habitat Description	11.7.6 regrowth. Crebra regrowth with Callitris understorey. Sandy and rocky.						
Regional Ecosystem		11.7.6		Median Tree canopy Height (m)		12	
	Emergent height (m)				Subcanopy ht (m)	8	

Site Photos	Plot centre	North	6856	South	6857	S	
Photo Numbers		East	6858	West	6859		
	Plot Origin			other	6860 6861		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Corymbia tessellaris	4
Logging	na					Brachychiton populneus	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						19.5
Storm	na						per ha (m)
Other (specify)	na						195

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Carissa ovata		
	Pittosporum spinescens		
	Psydrax oleifolia		
Grass sp.	Enneapogon truncatus	Echinopogon caespitosus	
	Digitaria divaricatissima	Urochloa panicoides*	
	Aristida calycina		
	Eragrostis brownii		
	Cenchrus ciliaris*		
	Aristida jerichoensis		
	Fimbristylis dichotoma		
	Panicum effusum		
	Cymbopogon refractus		
Forbs/other sp.	Nyssanthes erecta	Commelina diffusa	
	Evolvulus alsinoides	Euphorbia tannensis	
	Plectranthus scutellarioides	Dysphania carinata	
	Portulaca sp.	Cyperus betchei	
	Solanum ellipticum	Cheilanthes sieberi	
	*Malvastrum americanum	Seringia collina	
		Sida corrugata	
		Einadia hastata	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	25	10	20	15	15	17
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	15	5	5	0	5	6
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	45	30	30	65	30	40
rock	0	0	0	0	0	0
bare ground	15	45	45	20	50	35
Cryptograms	0	0	0	0	0	0
Total	100	90	100	100	100	98

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	49	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha		0	
Non-Eucalypts	Avg DBH threshold		RE	23	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
3.5-12	8.5	C						
24.5-28	3.5	C						
31-37	6	C						
54-69	5	C						
91-95	4	C						
0-2	2	S						
15-16	16	S						
21.5-24	2.5	S						
29-32	3	S				canopy total		27
33-46	13	S				subcanopy total		57
50.5-86	36	S				emergent total		
						shrub total		

North

South

East

West

Ground

Ground

Biocondition Datasheet

Site ID	1350			Date	2/03/2021
Observers	Donovan Sharp, Heath Agnew				

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			722758		7062933		1350
Plot centre			722778		7062978		1351
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Wilgavale						

Regional Ecosystem and Tree height

Habitat Description	Remnant crebra. Soil sandy, rocky in patches.						
Regional Ecosystem				Median Tree canopy Height (m)		16	
	Emergent height (m)			Subcanopy ht (m)		8	

Site Photos	Plot centre	North	6862	South	6863	S	
Photo Numbers		East	6864	West	6865		
	Plot Origin			other	6866		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Bursaria incana	6
Logging	na					Eucalyptus populnea	
Treatment	na					Petalostigma pubescens	
						Geijera parviflora	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	60%						34
Storm	na						per ha (m)
Other (specify)	na						340

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Carissa ovata		
	Carissa ovata		
Grass sp.	Cenchrus ciliaris		
	Dactyloctenium radulans		
	Austrostipa verticillata		
	Fimbristylis dichotoma		
	Eragrostis brownii		
	Enneapogon truncatus		
	Cyperus betchei		
	Melinis repens		
	Chloris truncata		
	Paspalidium distans		
Forbs/other sp.	Seringia collina	Portulaca pilosa	
	Portulaca australis	Einadia hastata	
	Solanum ellipticum	Dysphania carinata	
	Evolvulus alsinoides	*Harrisia martinii	
	Portulaca sp.	Echinopogon caespitosus	
	*Opuntia tomentosa	Jasminum simplicifolium	
	Corchorus trilocularis		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	40	95	25	30	0	38
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	0	15	5	5	6
Native shrubs (< 1m height)	0	0	0	0	40	8
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	30	5	60	40	55	38
rock	0	0	0	0	0	0
bare ground	15	0	0	25	0	8
Cryptograms	0	0	0	0	0	0
Total	90	100	100	100	100	98

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	44	Euc Benchm	Euc Benchmark	
	No. Trees	1	No. Trees > =	Benchmark/ha		2	
Non-Eucalypts	Avg DBH threshold		RE	24	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-3	3	C		8	c			
20-29	9	C						
34-46	12	C						
83-100	17	C						
1-4	3							
78-82	4							
						canopy total		41
						subcanopy total		
						emergent total		
						shrub total		7

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1353				Date	2/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			727644		7056693		1353
Plot centre			727665		7056738		1354
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Reuben Downs						
Regional Ecosystem and Tree height							
Habitat Description	11.7.7 remnant						
Regional Ecosystem		11.7.7		Median Tree canopy Height (m)		16	
	Emergent height (m)			Subcanopy ht (m)		7	

Site Photos	Plot centre	North	6868	South	6869	
Photo Numbers		East	6870	West	6871	
	Plot Origin			other	6872	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus fibrosa subsp.nubilis	
Wildfire	na					Acacia shirleyi	Tree Spp. Count
Prescribed burn	na					Acacia burrowii	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	66%						67m
Storm	na						per ha (m)
Other (specify)	na						670

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Pittosporum spinescens	
	Geijera parviflora	
Grass sp.	Thyridolepis xerophila	
	Aristida caput-medusae	
	Aristida calycina	
	Eragrostis brownii	
	Ancistrachne uncinulata	
	Fimbristylis dichotoma	
	Paspalidium distans	
Forbs/other sp.	Seringia collina	
	Abutilon oxycarpum	
	Euphorbia tannensis	
	Evolvulus alsinoides	
	Cheilanthes distans	
	Calotis cuneifolia	
	Sida corrugata	
	Corchorus trilocularis	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	15	20	20	40	50	29
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	10	10	40	20	20	20
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	70	55	25	35	30	43
rock	0	0	0	0	0	0
bare ground	5	15	15	5	0	8
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-1	1	C	81-91	9	S			
12.5-16	3.5	C						
17-25	8	C						
37-39.5	2.5	C						
56-59	3	C						
93-100	7	C						
2-11.5	9.5	S						
14-20	6	S						
29-32	3	S				canopy total		24
34-37	4	S				subcanopy total		49
47.47.5	0.5	S				emergent total		
62-79	17	S				shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1355			Date	2/03/2021	
Observers	Donovan Sharp, Heath Agnew					
Site Information:						
100x50m Area:						
Location (GPS reference)				Bioregion	Brigalow Belt South	
Datum	GDA94					
Zone	55 J	Easting	Northing			
Plot origin		726559	7057003			1355
Plot centre		726568	7056955			1356
Plot Bearing	S	Plot Alignment Description				
Locality	Roma SD 22					
	Reuben Downs					
Regional Ecosystem and Tree height						
Habitat Description	11.7.2 regrowth. Silty brown soil, rocky on surface.					
Regional Ecosystem	11.7.2	Median Tree canopy Height (m)	9			
	Emergent height (m)		Subcanopy ht (m)			

Site Photos	Plot centre	North	6873	South	6874	
Photo Numbers		East	6875	West	6876	
	Plot Origin			other	6877	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia shirleyi	
Wildfire	na					Eucalyptus exserta	Tree Spp. Count
Prescribed burn	na					Alstonia constricta	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						21
Storm	na						per ha (m)
Other (specify)	na						210

50 x 10m Area		**Native Plant Species Richness**	Total
Shrub sp.			
Grass sp.	Aristida calycina		
	Aristida sp.		
	Paspalidium distans		
Forbs/other sp.	Corchorus trilocularis		
	Abutilon oxycarpum		
	Seringia collina		
	*Opuntia tomentosa		
	Cheilanthes sieberi		
	Solanum ellipticum		
	Solanum coracinum		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	5	0	45	50	70	34
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	70	35	5	10	25
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	80	20	20	30	20	34
rock	0	0	0	0	0	0
bare ground	10	10	0	15	0	7
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	41	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	
Non-Eucalypts	Avg DBH threshold		RE	26	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-3	3	C						
11-18	7	C						
19-28	9	C						
34-56.5	23	C						
58.5-64	5.5	C						
70-79	9	C						
81-100	19	C						
						canopy total		75.5
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1357				Date	2/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			726753		7058436		1357
Plot centre			726728		7058392		1358
Plot Bearing	S	Plot Alignment Description					
Locality	Roma SD 22						
	Reuben Downs						
Regional Ecosystem and Tree height							
Habitat Description	Low 11.7.2 regrowth. Yellow clay. Lots oof rock. Lots of ironstone.						
Regional Ecosystem		11.7.2		Median Tree canopy Height (m)		4	
	Emergent height (m)			Subcanopy ht (m)			

Site Photos	Plot centre	North	6878	South	6879
Photo Numbers		East	6880	West	6881
	Plot Origin			other	6882

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Acacia shirleyi	
Wildfire	na					Eucalyptus crebra	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	30% buffel				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						3
Storm	na						per ha (m)
Other (specify)	na						30

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
Grass sp.	Panicum effusum	
	Cenchrus ciliaris*	
	Aristida caput-medusae	
	Aristida calycina	
	Aristida jerichoensis	
	Eragrostis brownii	
Forbs/other sp.	Corchorus trilocularis	
	Calotis cuneifolia	
	*Malvastrum americanum	
	Abutilon oxycarpum	
	Phyllanthus maderaspatensis	
	Cheilanthes sieberi	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	15	0	20	0	5	8
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	5	0	0	0	1
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	20	20	5	0	0	9
Non-native forbs and shrubs	0	0	0	0	0	0
litter	40	50	70	90	80	66
rock	20	0	0	0	0	4
bare ground	5	25	5	10	15	12
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	41	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	
Non-Eucalypts	Avg DBH threshold		RE	26	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-6	6	C						
12-21	9	C						
24-25.5	1.5	C						
34-37	3	C						
40-41	1	C						
45.5-56	10.5	C						
58-63	5	C						
72-87	15	C						
94-95	1	C						
						canopy total		52.5
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1359				Date	12/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			726804		7057322		1359
Plot centre			726836		7057284		1360
Plot Bearing	S	Plot Alignment Description					
Locality	Roma SD 22 Reuben Downs						

Regional Ecosystem and Tree height

Habitat Description	11.7.7 remnant. Fibrosa 18m with Ac. Shirleyi understorey sparse 8m. A sparse low tree layer of Ac. Shirleyi to 4m is					
Regional Ecosystem			Median Tree canopy Height (m)		16	
	Emergent height (m)			Subcanopy ht (m)	8	

Site Photos	Plot centre	North	6883	South	6884	
Photo Numbers		East	6885	West	6886	
	Plot Origin			other	6887	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus fibrosa subsp. nubilis	
Wildfire	na					Acacia shirleyi	Tree Spp. Count
Prescribed burn	na					Allocasuarina leuhmanii	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	50%						37
Storm	na						per ha (m)
Other (specify)	na						370

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Alstonia constricta	
	Carissa ovata	
	Casuarina cristata	
Grass sp.		
	Paspalidium distans	
	Thyridolepis xerophila	
	Ancistrachne uncinulata	
	Aristida caput-medusae	
	Aristida ramosa	
Forbs/other sp.		
	Seringia collina	
	Abutilon oxycarpum	
	Corchorus trilocularis	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	55	0	35	15	0	21
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	15	35	45	0	5	20
Native shrubs (< 1m height)	0	25	0	10	0	7
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	20	20	15	15	50	24
rock	0	10	5	60	30	21
bare ground	10	10	0	0	15	7
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	49	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	
Non-Eucalypts	Avg DBH threshold		RE	28	Euc Benchm	Euc Benchmark	
	No. Trees		No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-4	4	C						
31-45	14	C						
94-100	6	C						
4-17	13	S						
68-70	2	S						
84-98	14	S						
						canopy total		6
						subcanopy total		29
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1361				Date	3/03/2021
Observers	Donovan Sharp, Heath Agnew					

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South
Datum	GDA94					
Zone	55 J	Easting		Northing		
Plot origin			736535		7063950	1361
Plot centre			736524		7063902	1362
Plot Bearing	N	Plot Alignment Description				
Locality	Roma SD 22					
	Mostyn					

Regional Ecosystem and Tree height

Habitat Description	11.5.1 remnant. Sparse shrub layer.					
Regional Ecosystem		11.5.1		Median Tree canopy Height (m)	16	
	Emergent height (m)			Subcanopy ht (m)	8	

Site Photos	Plot centre	North	6888	South	6889	
Photo Numbers		East	6890	West	6891	
	Plot Origin			other	6892	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Petalostigma pubescens	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						39
Storm	na						per ha (m)
Other (specify)	na						390

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Alstonia constricta		
	Dodonaea viscosa		
Grass sp.	Echinopogon caespitosus		
	Aristida calycina		
	Melinis repens*		
	Fimbristylis dichotoma		
	Enneapogon truncatus		
	Perotis rara		
	Eragrostis brownii		
	Cenchrus ciliaris*		
Forbs/other sp.	Seringia collina	Alternanthera nana	
	Sida corrugata	Nyssanthes erecta	
	Calotis cuneifolia	Cyperus sp.	
	Solanum ellipticum	Fimbristylis dichotoma	
	Evolvulus alsinoides		
	Cheilanthes sieberi		
	Lomandra multiflora		
	*Glandularia aristigera		
	Amaranthus spinosus*		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	70	80	55	40	80	65
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	10	0	15	10	5	8
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	20	20	25	50	15	26
rock	0	0	0	0	0	0
bare ground	0	0	5	0	0	1
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	44	Euc Benchm	Euc Benchmark	
	No. Trees	7	No. Trees > =	Benchmark/ha		14	
Non-Eucalypts	Avg DBH threshold		RE	24	Euc Benchm	Euc Benchmark	
	No. Trees	12	No. Trees > =	Benchmark/ha		24	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
4-14	10	C						
36-45	9	C						
50-59	9	C						
16-18	2	S						
26-35	9	S						
42-44	2	S						
48-52	4	S						
56.5-62.5	6	S						
66-69	3	S				canopy total		28
84-85	1	S				subcanopy total		28.5
85.5-89	3.5	S				emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1363				Date	3/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			736823		7063838		1363
Plot centre			736783		7063812		1364
Plot Bearing	NE	Plot Alignment Description					
Locality	Roma SD 22						
	Mostyn						
Regional Ecosystem and Tree height							
Habitat Description	11.5.1 remnant. Sparse shrub layer. Rocks present. Brown loam.						
Regional Ecosystem		11.5.1		Median Tree canopy Height (m)		18	
	Emergent height (m)			Subcanopy ht (m)		9	

Site Photos	Plot centre	North		South		
Photo Numbers		East		West		
	Plot Origin			other		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	50.00%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	50%						38
Storm	na						per ha (m)
Other (specify)	na						380

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Alphitonia excelsa		
	Acacia decora		
	Dodonaea viscosa		
	Carissa ovata		
	Notelaea microcarpa		
Grass sp.	*Cenchrus ciliaris	Capillipedium spicigerum	
	*Paspalum urvillei	Cymbopogon refractus	
	Aristida calycina	Thyridolepis xerophila	
	*Urochloa panicoides	Fimbristylis dichotoma	
	Panicum effusum		
	Aristida ramosa		
	Eragrostis brownii		
Forbs/other sp.	*Sida corrugata	*Glandularia aristigera	
	Sclerolaena birchii	Cyperus sp.	
	Evolvulus alsinoides		
	Alternanthera nana		
	Nyssanthes erecta		
	Calotis cuneifolia		
	Cheilanthes sieberi		
	Euphorbia tannensis		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	65	70	40	10	37
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	5	5	5	5	5
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	65	0	0	0	0	13
Non-native forbs and shrubs	0	0	0	0	0	0
litter	10	20	15	30	70	29
rock	0	0	0	0	0	0
bare ground	20	10	10	20	15	15
Cryptograms	0	0	0	0	0	0
Total	100	100	100	95	100	99

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	44	Euc Benchm	Euc Benchmark	
	No. Trees	14	No. Trees > =	Benchmark/ha		28	
Non-Eucalypts	Avg DBH threshold		RE	26	Euc Benchm	Euc Benchmark	
	No. Trees	2	No. Trees > =	Benchmark/ha		4	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
3-13	10	C						
41-53	12	C						
74-97	23	C						
11-13	2	S						
17-22	5	S						
31-34	3	S						
67-72	5	S						
75-76	1	S						
88-91	3	S				canopy total		45
						subcanopy total		19
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1368				Date	3/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			735068		7065039		1368
Plot centre			735041		7065080		1369
Plot Bearing	NW	Plot Alignment Description					
Locality	Roma SD 22						
	Mostyn						
Regional Ecosystem and Tree height							
Habitat Description	Ac melvillei/burrowii 7m mid-dense to dense. E. melnophloia and E. crebra emergentd to 12m very sparse. Brown s						
Regional Ecosystem		11.7.7		Median Tree canopy Height (m)		6	
	Emergent height (m)		13	Subcanopy ht (m)			

Site Photos	Plot centre	North	6906	South	6907
Photo Numbers		East	6908	West	6909
	Plot Origin			other	6910

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus melanophloia	
Wildfire	na					Acacia melvillei/burrowii	Tree Spp. Count
Prescribed burn	na						2
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	50%						41
Storm	na						per ha (m)
Other (specify)	na						410

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
Grass sp.		
	Eragrostis brownii	
	Aristida calycina	
	*Paspalum urvillei	
	Paspalidium distans	
Forbs/other sp.		
	Evolvulus alsinoides	
	Cheilanthes sieberi	
	Calotis cuneifolia	
	Abutilon oxycarpum	
	Solanum ellipticum	
	Solanum coracinum	
	Vigna suberecta	
	Calandrinia sp.	
	*Opuntia tomentosa	
	Fimbristylis dichotoma	
	Cyperus sp.	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	70	30	70	25	5	40
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	15	20	10	10	10	13
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	10	35	20	50	80	39
rock	0	0	0	0	0	0
bare ground	5	15	0	15	5	8
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		0
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark
	No. Trees		No. Trees > =	Benchmark/ha		0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
14-20	6	E						
2-8	6	C						
20-100	80	C						
						canopy total		86
						subcanopy total		
						emergent total		6
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1370				Date	3/03/2021
Observers	Donovan Sharp, Heath Agnew					

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South
Datum	GDA94					
Zone	55 J	Easting		Northing		
Plot origin			736742		7062656	1370
Plot centre			736695		7062646	1371
Plot Bearing	E	Plot Alignment Description				
Locality	Roma SD 22 Mostyn					

Regional Ecosystem and Tree height

Habitat Description	11.3.2b. No benchmark					
Regional Ecosystem		11.3.2b	Median Tree canopy Height (m)		17	
	Emergent height (m)			Subcanopy ht (m)		

Site Photos	Plot centre	North	6911	South	6912	
Photo Numbers		East	6913	West	6914	
	Plot Origin			other	6915	

Disturbance					**100 x 50m Area: Tree SPP. Richness**	
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis
Wildfire	na					Tree Spp. Count
Prescribed burn	na					1
Logging	na					
Treatment	na					
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris	
Non-native plant cove	<1%				Specimen length (mm)	
Erosion	na					site total m
Regeneration	0%					22
Storm	na					per ha (m)
Other (specify)	na					220

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
Grass sp.	Brachyachne convergens	
	Arundinella nepalensis	
	Echinochloa crus-galli*	
Forbs/other sp.	Marsilea drummondii	
	Sclerolaena birchii	
	Alternanthera nana	
	*Glandularia aristigera	
	Dysphania carinata	
	Atriplex muelleri	
	Lomandra multiflora	
	Physalis peruviana	
	Xanthium occidentale*	
	Sclerolaena bicornis	
	*Malvastrum americanum	
	Solanum nigrum	
	Malva parviflora	
	Enchylaena tomentosa	
	Persicaria lapathifolia	
	Centipeda minima	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	15	5	0	0	4
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	55	50	5	10	10	26
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	35	15	65	65	15	39
rock	0	0	0	0	0	0
bare ground	10	20	25	25	75	31
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	No benchmark
	No. Trees	22	No. Trees > =	Benchmark/ha		44	45cm
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	No benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		0	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

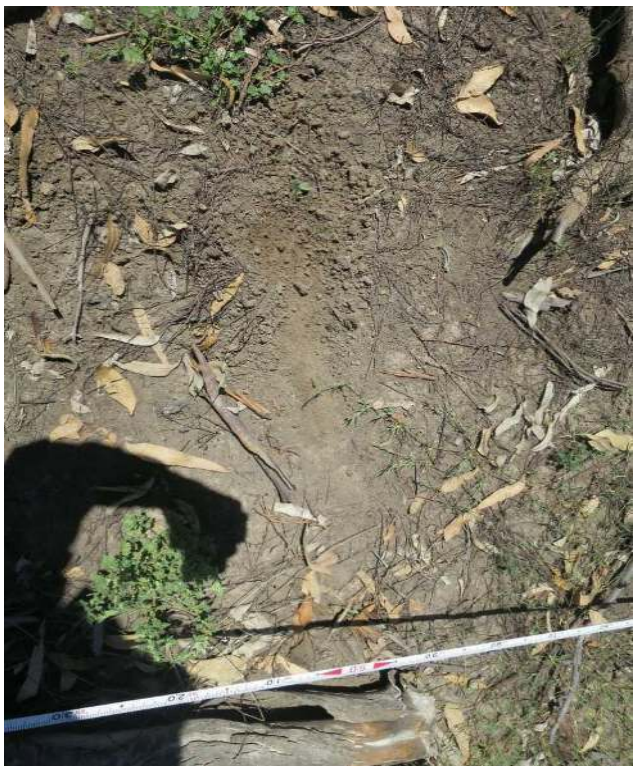
Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-17	17	C						
28-47	19	C						
98-100	2	C						
						canopy total		38
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West



Ground

Biocondition Datasheet

Site ID	1372			Date	3/03/2021
Observers	Donovan Sharp, Heath Agnew				

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South
Datum	GDA94					
Zone	55 J	Easting		Northing		
Plot origin			736750		7061624	1372
Plot centre			736706		7061606	1373
Plot Bearing	E	Plot Alignment Description				
Locality	Roma SD 22 Mostyn					

Regional Ecosystem and Tree height

Habitat Description	E. camaldulensis and Angophora floribunda 26m on ox-bow. No benchmark					
Regional Ecosystem		11.3.2b		Median Tree canopy Height (m)	21	
	Emergent height (m)			Subcanopy ht (m)		

Site Photos	Plot centre	North		South		
Photo Numbers		East		West		
	Plot Origin			other		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis	
Wildfire	na					Angophora floribunda	Tree Spp. Count
Prescribed burn	na					Acacia salicina	3
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	33%						14
Storm	na						per ha (m)
Other (specify)	na						140

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Vachellia farnesiana*		
Grass sp.	Dichanthium sericeum		
	Capillipedium spicigerum		
	Leptochloa digitata		
	Echinochloa crus-galli*		
	*Paspalum dilatatum		
Forbs/other sp.	*Sida rhombifolia	Marsilea drummondii	
	*Glandularia aristigera	Cullen tenax	
	Swainsona queenslandica	*Phyla canescens	
	*Xanthium occidentale		
	*Verbena officinalis		
	Alternanthera nana		
	Sclerolaena birchii		
	Jasminum simplicifolium		
	*Verbena gaudichaudii		
	Cyperus sp.		
	*Guilleminea densa		
	*Solanum nigrum		
	*Physalis peruviana		
	Rumex brownii		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	65	35	25	70	0	39
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	0	0	0	20	5
Native shrubs (< 1m height)	0	35	5	0	0	8
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	10	25	50	30	60	35
rock	0	0	0	0	0	0
bare ground	20	5	20	0	20	13
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	No Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha			
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha			No Benchmark

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-40	40	C						
45-59	14	C						
62-78	16	C						
88-100	12	C						
10.5-12	1.5	sh						
20-21	1	sh						
31-32	1	sh						
						canopy total		82
						subcanopy total		
						emergent total		
						shrub total		3.5

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1374				Date	3/03/2021
Observers	Donovan Sharp, Heath Agnew					

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South
Datum	GDA94					
Zone	55 J	Easting		Northing		
Plot origin			737774		7062581	1374
Plot centre			737796		7062535	1375
Plot Bearing	NW	Plot Alignment Description				
Locality	Roma SD 22					
	Mostyn					

Regional Ecosystem and Tree height

Habitat Description	Low-lying area adjacent towatercourse. No shrub or low tree layer present					
Regional Ecosystem		11.3.2b	Median Tree canopy Height (m)		24	
	Emergent height (m)			Subcanopy ht (m)		

Site Photos	Plot centre	North	6931	South	6932	
Photo Numbers		East	6933	West	6934	
	Plot Origin			other	6935	

Disturbance					**100 x 50m Area: Tree SPP. Richness**	
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus camaldulensis
Wildfire	na					Tree Spp. Count
Prescribed burn	na					1
Logging	na					
Treatment	na					
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris	
Non-native plant cove	<1				Specimen length (mm)	
Erosion	na					site total m
Regeneration	100					40
Storm	na					per ha (m)
Other (specify)	na					400

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
Grass sp.		
	Brachyachne convergens	
Forbs/other sp.		
	Centipeda minima	
	Atriplex muelleri	
	*Xanthium occidentale	
	Persicaria lapathifolia	
	Sclerolaena birchii	
	Eleocharis pallens?	
	*Physalis peruviana	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	20	5	5	0	70	20
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	0	0	10	0	10	4
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	60	70	15	10	10	33
rock	0	0	0	0	0	0
bare ground	20	25	75	90	10	44
Cryptograms	0	0	0	0	0	0
Total	100	100	105	100	100	101

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	
	No. Trees	24	No. Trees > =	Benchmark/ha		48	No Benchmark
Non-Eucalypts	Avg DBH threshold		RE		Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha		0	No Benchmark

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-5	5	C						
16-43	27	C						
75-80	5	C						
86-100	14	C						
						canopy total		51
						subcanopy total		
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1376				Date	3/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			740436		7063272		1376
Plot centre			740404		7063229		1377
Plot Bearing	N	Plot Alignment Description					
Locality	Roma SD 22						
	Wyena						
Regional Ecosystem and Tree height							
Habitat Description							
Regional Ecosystem		11.7.7		Median Tree canopy Height (m)	20		
	Emergent height (m)			Subcanopy ht (m)	8		

Site Photos	Plot centre	North	6941	South	6942	
Photo Numbers		East	6943	West	6945	
	Plot Origin			other	6945	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus fibrosa subsp.nubilis	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Allocasuarina luehmanni	*3*
Logging	na						
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	30%						92
Storm	na						per ha (m)
Other (specify)	na						920

50 x 10m Area	**Native Plant Species Richness**		Total
Shrub sp.	Geijera parviflora		
	Acacia shirleyi		
	Psydrax oleifolia		
Grass sp.	Aristida calycina	Capillipedium spicigerum	
	Aristida ramosa	Enteropogon acicularis	
	Eragrostis brownii	*Melinis repens	
	Aristida caput-medusae		
	Panicum laevinode		
	Paspalidium distans		
	Ancistrachne uncinulata		
	*Paspalum urvillei		
Forbs/other sp.	Solanum ellipticum		
	*Malvastrum americanum		
	*Sida corrugata		
	Seringia collina		
	Calotis cuneifolia		
	Solanum coracinum		
	Abutilon oxycarpum		
	Fimbristylis dichotoma		

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	25	40	20	60	20	33
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	0	40	10	40	19
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	40	40	25	25	30	32
rock	0	0	0	0	0	0
bare ground	30	20	15	5	10	16
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	49	Euc Benchm	Euc Benchmark	
	No. Trees	4	No. Trees > =	Benchmark/ha		8	
Non-Eucalypts	Avg DBH threshold		RE	28	Euc Benchm	Euc Benchmark	
	No. Trees	4	No. Trees > =	Benchmark/ha		8	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-3	3	C						
25.5-30.5	5	C						
56-62	6	C						
69-72.5	3.5	C						
87-91	4	C						
21-24	3	S						
26.5-36	9.5	S						
41.5-42	0.5	S						
98-100	2	S				canopy total		21.5
						subcanopy total		15
						emergent total		
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1394				Date	4/03/2021	
Observers	Donovan Sharp, Heath Agnew						
Site Information:							
100x50m Area:							
Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			728918		7058636		1394
Plot centre			728959		7058607		1395
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22						
	Myalla						
Regional Ecosystem and Tree height							
Habitat Description	11.7.7 Regrowth after clearing. Occasional relictual emergents						
Regional Ecosystem		11.7.7		Median Tree canopy Height (m)		12	
	Emergent height (m)		21	Subcanopy ht (m)		5	
Site Photos	Plot centre	North	6988	South	6989		
Photo Numbers		East	6990	West	6991		
	Plot Origin			other	6992		

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus crebra	
Wildfire	na					Callitris glaucophylla	Tree Spp. Count
Prescribed burn	na					Acacia burrowii	6
Logging	na					Eremophila deserti	
Treatment	na					Eucalyptus fibrosa subsp.nubilis	
						Eucalyptus populnea	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	80%						95m
Storm	na						per ha (m)
Other (specify)	na						950

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.	Acacia decora	
	Petalostigma pubescens	
	Philotheca difformis	
Grass sp.	Ancistrachne uncinulata	
	Paspalidium distans	
	Aristida caput-medusae	
	Eriachne mucronata	
	Aristida ramosa	
	*Melinis repens	
	*Urochloa panicoides	
Forbs/other sp.	Evolvulus alsinoides	
	Seringia collina	
	Malvastrum americanum	
	Solanum ellipticum	
	Calotis cuneifolia	
	Solanum coracinum	
	Goodenia sp.	
	Sida corrugata	
	Nyssanthes erecta	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	10	5	10	5	5	7
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	0	45	5	50	21
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	55	25	35	35	30	36
rock	20	30	0	5	0	11
bare ground	10	40	10	50	15	25
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees Plot size 100x 50 100x 20 100 x 10

Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH

Eucalypts	Avg DBH threshold	49	RE	49	Euc Benchm	Euc Benchmark	
	No. Trees	6	No. Trees > =	Benchmark/ha			12
Non-Eucalypts	Avg DBH threshold		RE	28	Euc Benchm	Euc Benchmark	
	No. Trees	0	No. Trees > =	Benchmark/ha			0

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
0-5	5	c						
18-19	1	c						
30.5-35.5	5	c						
45-48	3	c						
21-24	3	s						
39-42	3	s						
59-63	4	s						
79-80	1	s						
						canopy total		14
79-89	10	E				subcanopy total		11
						emergent total		10
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1396			Date	5/03/2021
Observers	Donovan Sharp, Heath Agnew				

Site Information:

100x50m Area:

Location (GPS reference)					Bioregion	Brigalow Belt South	
Datum	GDA94						
Zone	55 J	Easting		Northing			
Plot origin			740213		7063353		1396
Plot centre			740196		7063401		1397
Plot Bearing	N	Plot Alignment Description					
Locality	Roma SD 22 Wyena						

Regional Ecosystem and Tree height

Habitat Description	grey silty clay remnant					
Regional Ecosystem	11.9.10		Median Tree canopy Height (m)		10	
	Emergent height (m)	22		Subcanopy ht (m)	4	

Site Photos	Plot centre	North	7002	South	7003	
Photo Numbers		East	7004	West	7005	
	Plot Origin			other	7006	

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus woollsiana	
Wildfire	na					Acacia harpophylla	Tree Spp. Count
Prescribed burn	na					Eucalyptus crebra	7
Logging	na					Geijera parviflora	
						Eucalyptus populnea	
						Casuarina cristata	
Treatment	na					Hakea lorea subsp. lorea	
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<5%				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100%						58
Storm	na						per ha (m)
Other (specify)	na						580

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.	Eremophila longifolia	
	Capparis lasiantha	
Grass sp.		
	Aristida caput-medusae	
	Eragrostis brownii	
	Eriochloa pseudoacrotricha	
	Paspalidium distans	
	Ancistrachne uncinulata	
Forbs/other sp.		
	*Harrisia martinii	
	Solanum ellipticum	
	Seringia collina	
	Solanum coracinum	
	Abutilon oxycarpum	
	Sclerolaena birchii	
	Cyperus gracilis	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	0	0	5	20	5	6
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	0	15	5	25	10
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	65	80	70	60	65	68
rock	5	0	0	0	0	1
bare ground	25	20	10	15	20	18
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	115	103

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	47	Euc Benchm	Euc Benchmark	
	No. Trees	3	No. Trees > =	Benchmark/ha		6	
Non-Eucalypts	Avg DBH threshold		RE	27	Euc Benchm	Euc Benchmark	
	No. Trees	3	No. Trees > =	Benchmark/ha		6	

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
30-37	7	c	47-50	3	s			
41-49	8	c	55-74	9	s			
77-80	3	c	78-81	3	s			
82.5-87	4.5	c	88-91	3	s			
			92-96	4	s			
3-13	10	E	99-100	1	s			
55-61	6							
2-4	2	s						
10-17	7	s				canopy total		22.5
23-36	13	s				subcanopy total		47
40-42	2	s				emergent total		16
						shrub total		

North

South

East

West

Ground

Biocondition Datasheet

Site ID	1819					Date	25/11/2021
Observers	A Daniel						

Site Information:

100x50m Area:

Location (GPS reference)						Bioregion	Brigalow Belt South
Datum	GDA94						
Zone	55 J	Easting	735424	Northing	7065164		
Plot origin			735404		7065116		
Plot centre							
Plot Bearing		Plot Alignment Description					
Locality	Roma SD 22 Mostyn Station						

Regional Ecosystem and Tree height

Habitat Description	remnant						
Regional Ecosystem		11.9.7		Median Tree canopy Height (m)		14	
	Emergent height (m)			Subcanopy ht (m)		10	

Site Photos	Plot centre	North	4224	South	4225	S	
Photo Numbers		East	4226	West	4227		
	Plot Origin			other			

Disturbance					**100 x 50m Area: Tree SPP. Richness**		
Type	mean fire scar height	severity	last event	obs type	Tree Species	Eucalyptus melanophloia	
Wildfire	na					Eucalptus populnea	Tree Spp. Count
Prescribed burn	na					Eremophila mitchellii	4
Logging	na					Callitris galucophylla	
Treatment	na						
Grazing	yes	moderate			50 x 20m Area: Coarse woody Debris		
Non-native plant cove	<1				Specimen length (mm)		
Erosion	na						site total m
Regeneration	100						32
Storm	na						per ha (m)
Other (specify)	na						320

50 x 10m Area	**Native Plant Species Richness**	Total
Shrub sp.		
	Geijera parviflora	
	Carissa ovata	
Grass sp.	Arisitda calycina	
	Cenchrus ciliaris*	
	Enteropgogon ascicularis	
Forbs/other sp.	Malvastrum amrcianum	
	Abutlion oxycarpon	
	Enchylaena tomentosa	

Biocondition datasheet (cont.)

10 x 10m Plots: Ground Cover

Ground cover type	1	2	3	4	5	Mean
Native perennial (preferred and intermediate) grass	5	10	5	0	15	7
Native non-preferred grass	0	0	0	0	0	0
Native forbs and other species	5	0	0	0	0	1
Native shrubs (< 1m height)	0	0	0	0	0	0
Non-native grass	0	0	0	0	0	0
Non-native forbs and shrubs	0	0	0	0	0	0
litter	25	50	20	60	15	34
rock	0	0	0	0	0	0
bare ground	65	40	75	40	70	58
Cryptograms	0	0	0	0	0	0
Total	100	100	100	100	100	100

100 x 50m Area: Large Trees	Plot size	100x 50		100x 20		100 x 10	
Species	Euc (E) Non-Euc (N)	Diam (cm)	DBH				

Eucalypts	Avg DBH threshold		RE	6	Euc Benchm	Euc Benchmark
	No. Trees	3	No. Trees > =	Benchmark/ha		
Non-Eucalypts	Avg DBH threshold		RE	0	Euc Benchm	Euc Benchmark
	No. Trees	0	No. Trees > =	Benchmark/ha		

100m Transect: Tree and Shrub Canopy Cover Canopy (C), Subcanopy (SC), Emergent (E), Shrub (S)

Distance (m)		Type	Distance (m)		Type	Distance (m)		Type
	5	c		2	sh			
	11	c		5	sh			
	1	c						
	7	c						
						canopy total		24
						subcanopy total		
						emergent total		
						shrub total		7

North

South

East

West

Appendix H

BioCondition data

connectivity_rating	4.8	19.5	0	0
context_rating	48	3	3	0
patch_size_ha	654	43	1	13
25_litter_grd_cov	44	43	79.2	51.8
native_per_grass	35	28	1	2.6
non-native_cover	4	4	1	4
forb_other_sp_richness	2	3	4	6
grass_sp_richness	5	6	4	3
shrub_sp_richness	2	4	1	4
tree_sp_richness	7	5	2	9
woody debris_length_ha	385	520	1100	440
shrub_canopy_cover	5.5	2.5	0	4
tree_subcanopy_cov	21.5	36	0	0
tree_canopy_cov	38.5	40	59	38
tree_emergent_cov	NA	NA	NA	20.5
recruitment_canopy_sp	100	75	100	60
subcanopy_height	5	5	0	4
canopy_height	17	12	10	9
emergent_height	NA	14	NA	18
tot_num_large_trees_non_euc_ha	34	0	0	0
tot_num_large_trees_euc_ha	2	6	0	6
growth_status	remnant	remnant	remnant	regrowth
re	11.5.1	11.5.5	11.7.2	11.9.10
siteid	914	916	918	920

connectivity_rating	0	0	41.5	51.8	14.4
context_rating	9	11	8	13	12
patch_size_ha	10	10	12	15	27
25_litter_grd_cov	31	17.6	69	37	33
native_per_grass	21.4	1.4	0	34	0
non-native_cover	2	1	1	1	100
forb_other_sp_richness	2	6	1	2	0
grass_sp_richness	5	2	3	4	0
shrub_sp_richness	2	6	2	1	1
tree_sp_richness	5	2	7	1	4
woody debris_length_ha	50	0	1090	30	10
shrub_canopy_cover	0.5	1	1.5	0	1
tree_subcanopy_cov	33.5	0	12	3	0
tree_canopy_cov	3.5	20	59.5	25.5	71.5
tree_emergent_cov	7.5	4	0	NA	NA
recruitment_canopy_sp	100	100	50	100	0
subcanopy_height	5	0	3	0	0
canopy_height	8	4	9	5	23
emergent_height	18	10	18	22	NA
tot_num_large_trees_non_euc_ha	0	0	36	0	0
tot_num_large_trees_euc_ha	2	0	0	2	20
growth_status	regrowth	regrowth	remnant	regrowth	remnant
re	11.9.10	11.9.5	11.9.10	11.3.2	11.3.25
siteid	922	924	940	984	989

connectivity_rating	93.8	100	41	93.8	14.4
context_rating	56	61	64	68	7
patch_size_ha	318	24	441	593	27
25_litter_grd_cov	68	51	45	55	24
native_per_grass	5	11	11	12	18
non-native_cover	1	1	100	80	80
forb_other_sp_richness	2	2	3	6	5
grass_sp_richness	1	3	5	7	6
shrub_sp_richness	1	2	1	1	1
tree_sp_richness	3	2	4	5	2
woody debris_length_ha	360	300	295	495	555
shrub_canopy_cover	0.5	0	0	0	0
tree_subcanopy_cov	2	17	12	0	0
tree_canopy_cov	53	23.5	22	24.5	56
tree_emergent_cov	NA	NA	NA	13	NA
recruitment_canopy_sp	100	50	100	100	100
subcanopy_height	2	7	5	0	6
canopy_height	8	17	10	6	10
emergent_height	NA	NA	NA	12	NA
tot_num_large_trees_non_euc_ha	0	0	0	0	0
tot_num_large_trees_euc_ha	0	0	0	0	0
growth_status	remnant	regrowth	regrowth	regrowth	regrowth
re	11.7.2	11.5.1	11.3.25	11.5.1	11.3.25
siteid	1007	1171	1229	1232	1247

connectivity_rating	14.4	90.7	14.4	0	41.4
context_rating	9	28	12	7	31
patch_size_ha	27	73	27	6	60
25_litter_grd_cov	18	32	44	71	33
native_per_grass	4	27	21	0	19
non-native_cover	10	4	15	4	4
forb_other_sp_richness	13	8	8	0	6
grass_sp_richness	5	6	3	1	6
shrub_sp_richness	5	3	3	3	5
tree_sp_richness	4	4	3	3	3
woody debris_length_ha	140	360	250	1040	540
shrub_canopy_cover	0	0	1	59	0
tree_subcanopy_cov	41.5	11.5	40	7	0
tree_canopy_cov	4	25	17.5	7	36
tree_emergent_cov	NA	NA	NA	NA	NA
recruitment_canopy_sp	100	100	66	100	100
subcanopy_height	8	0	7	9	3
canopy_height	13	6	18	14	12
emergent_height	NA	NA	NA	NA	NA
tot_num_large_trees_non_euc_ha	0	0	0	6	0
tot_num_large_trees_euc_ha	0	0	0	2	0
growth_status	regrowth	Regrowth	remnant	remnant	regrowth
re	11.5.5	11.5.5	11.3.2	11.9.10	11.5.5
siteid	1249	1255	1278	1330	1332

connectivity_rating	0	0	60.1	0	0
context_rating	43	37	50	15	18
patch_size_ha	6	2	62	40	40
25_litter_grd_cov	87	62	78	56	28
native_per_grass	3	9.5	0	14	26
non-native_cover	1	1	1	4	1
forb_other_sp_richness	4	6	5	13	15
grass_sp_richness	7	7	1	4	9
shrub_sp_richness	3	4	4	5	2
tree_sp_richness	2	2	4	7	3
woody debris_length_ha	770	700	1380	980	260
shrub_canopy_cover	0	0	0	0	0
tree_subcanopy_cov	7	16.5	41	1	0
tree_canopy_cov	62.5	34.5	42.5	75	41.5
tree_emergent_cov	NA	NA	NA	NA	2
recruitment_canopy_sp	100	100	100	0	100
subcanopy_height	0	9		5	0
canopy_height	9	18		14	13
emergent_height	NA	NA	NA	NA	NA
tot_num_large_trees_non_euc_ha	0	0	0	0	0
tot_num_large_trees_euc_ha	0	0	0	0	0
growth_status	regrowth	remnant	regrowth	Regrowth	Regrowth
re	11.9.10	11.3.2	11.9.10	11.7.6	11.7.6
siteid	1334	1336	1338	1340	1342

connectivity_rating	88.1	88.1	0	14.5	0
context_rating	37	33	15	14	17
patch_size_ha	122	122	22	39	10
25_litter_grd_cov	24	40	38	43	34
native_per_grass	19	17	38	29	34
non-native_cover	1	4	4	4	1
forb_other_sp_richness	5	13	13	8	6
grass_sp_richness	4	9	6	7	3
shrub_sp_richness	1	3	2	2	0
tree_sp_richness	6	4	6	3	3
woody debris_length_ha	490	195	340	670	210
shrub_canopy_cover	0	0	7	0	0
tree_subcanopy_cov	17	57	0	49	0
tree_canopy_cov	24	27	41	24	75.5
tree_emergent_cov	NA	NA	NA	NA	NA
recruitment_canopy_sp	66	100	66	66	100
subcanopy_height	6	8	8	7	0
canopy_height	10	12	16	16	9
emergent_height	NA	NA	NA	NA	NA
tot_num_large_trees_non_euc_ha	0	0	0	0	0
tot_num_large_trees_euc_ha	0	0	2	0	0
growth_status	remnant	Remnant	Remnant	regrowth	regrowth
re	11.7.2	11.7.6	11.7.6	11.7.7	11.7.2
siteid	1344	1348	1350	1353	1355

connectivity_rating	35.5	35.4	52.9	63.1	51.8
context_rating	55	5	45	26	26
patch_size_ha	48	17	48	90	656
25_litter_grd_cov	66	24	26	29	36
native_per_grass	8	21	65	37	2
non-native_cover	30	4	4	50	1
forb_other_sp_richness	5	3	11	8	7
grass_sp_richness	5	5	6	8	4
shrub_sp_richness	0	3	2	5	2
tree_sp_richness	2	3	3	2	2
woody debris_length_ha	30	370	390	380	465
shrub_canopy_cover	0	0	0	0	0
tree_subcanopy_cov	0	29	28.5	19	0
tree_canopy_cov	52.5	6	28	45	59.5
tree_emergent_cov	NA	NA	NA	NA	NA
recruitment_canopy_sp	100	50	100	50	100
subcanopy_height	0	8	8	9	0
canopy_height	4	16	16	18	15
emergent_height	NA	NA	NA	NA	NA
tot_num_large_trees_non_euc_ha	0	0	24	4	20
tot_num_large_trees_euc_ha	0	0	14	28	10
growth_status	regrowth	remnant	remnant	remnant	remnant
re	11.7.2	11.7.7	11.5.1	11.5.1	11.9.6
siteid	1357	1359	1361	1363	1366

connectivity_rating	90.7	5.7	36.6	1.8	93.8
context_rating	29	8	11	29	68
patch_size_ha	73	40	35	10	593
25_litter_grd_cov	39	39	35	33	32
native_per_grass	40	4	39	20	33
non-native_cover	4	1	4	1	4
forb_other_sp_richness	10	13	8	6	6
grass_sp_richness	3	2	3	1	9
shrub_sp_richness	0	0	0	0	3
tree_sp_richness	2	1	3	1	3
woody debris_length_ha	410	220	140	400	920
shrub_canopy_cover	0	0	3.5	0	0
tree_subcanopy_cov	0	0	0	0	15
tree_canopy_cov	86	38	82	51	21.5
tree_emergent_cov	NA	NA	NA	NA	NA
recruitment_canopy_sp	50	0	33	100	30
subcanopy_height	0	0	0	0	8
canopy_height	6	17	21	24	20
emergent_height	NA	NA	NA	NA	NA
tot_num_large_trees_non_euc_ha	0	0	0	0	8
tot_num_large_trees_euc_ha	0	44	0	48	8
growth_status	regrowth	remnant	regrowth	remnant	remnant
re	11.9.6	11.3.2b	11.3.2b	11.3.2b	11.7.7
siteid	1368	1370	1372	1374	1376

connectivity_rating	55.3	57.5	78.2
context_rating	29	16	57
patch_size_ha	47	33	81
25_litter_grd_cov	36	68	34
native_per_grass	7	6	7
non-native_cover	4	4	1
forb_other_sp_richness	9	6	3
grass_sp_richness	5	5	2
shrub_sp_richness	3	2	2
tree_sp_richness	6	7	4
woody debris_length_ha	950	580	320
shrub_canopy_cover	10	16	7
tree_subcanopy_cov	11	47	0
tree_canopy_cov	14	22.5	24
tree_emergent_cov	NA	NA	NA
recruitment_canopy_sp	80	100	100
subcanopy_height	5	4	10
canopy_height	12	10	14
emergent_height	21	22	NA
tot_num_large_trees_non_euc_ha	0	6	0
tot_num_large_trees_euc_ha	12	6	6
growth_status	regrowth	remnant	remnant
re	11.7.7	11.9.10	11.9.7
siteid	1394	1396	1819