GREAT CENTRAL ROAD (OUTBACK WAY) (SLK 206-412)

Biological Survey

Prepared for Main Roads Western Australia
August 2025



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Cover Photo: View of the Outback Way survey area (taken 05/05/2025)

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EXECUTIVE SUMMARY

Botanica Consulting Pty Ltd (Botanica) was commissioned by Main Roads Western Australia (MRWA) to undertake a Biological Survey of the Great Central Road (Outback Way). The survey area consists of three sections of road between SLK 206.25 – SLK 412.0 of the Great Central Road (Outback Way), hereafter referred to as the 'survey area'. The survey area extends for approximately 206 km and extends 100 m either side of the road centreline, as well as including associated sections for material resource pits and laydown areas. The survey area is approximately 5,917.4 ha in extent and is located in the Shire of Laverton. The scope of work included:

- Desktop assessment within a 40 km radius of the survey area (referred to as the 'desktop study area');
- Detailed flora and vegetation survey and targeted flora survey of the survey area, covering an area of approximately 5,917.4 ha;
- Mapping of a contextual area of approximately 23,138 ha, a 500 m buffer surrounding the survey area, this mapping is based on extrapolating the survey data from the detailed survey; and
- Basic fauna survey of the survey area, covering an area of approximately 5,917.4 ha.

The field assessment was undertaken from the 2nd to the 5th May 2025 and the 15th to the 17th July 2025. The survey was done over two dates to accommodate for the attendance of Aboriginal Heritage monitors. SLK206.25 to SLK250.4 and SLK349.4 to SLK412.0 were surveyed in May, and SLK250.4 to SLK349.4 was surveyed in July. This report has been written to report on the three sections individually summarised as a whole.

A total of nineteen vegetation types were identified within the survey area. These vegetation types were located within nine landform types and comprised of six NVIS major vegetation groups. Vegetation was represented by a total of 162 vascular flora taxa within the survey area. These taxa represented 74 genera across 28 families.

The field survey did not identify any State-listed Threatened, Priority or otherwise significant flora taxa within the survey area. One Threatened Flora taxa listed under the Commonwealth EPBC Act was identified within the survey area; *Seringia exastia* is currently listed as Critically Endangered.

No significant ecological communities were identified within the survey area.

Based on the vegetation condition rating scale specified in the Environmental Protection Authority (EPA) *Technical Guidance - Flora and Vegetation Surveys for Environmental Impact Assessment – December 2016* (EPA, 2016a), vegetation condition was categorised as 'excellent' to 'completely

degraded'. Disturbance in the survey area was a result of previous fire events, road siding of the Great Central Road, access tracks, camping areas and existing clearing for gravel pits/materials storage.

A total of two introduced flora species (weeds) were identified within the survey area: Buffel Grass (*Cenchrus ciliaris*) and Citron Melon (*Citrullus amarus*). These were only observed growing in the SLK206-250 and the SLK 250-349 sections of the survey area. No weeds were seen in the SLK349-412 section of the survey area. Neither of these species are categorised as Declared Pests or WoNS.

Eight broad scale terrestrial fauna habitats were identified within the survey area: Results of the literature review identified 100 bird, 20 mammal, 58 reptile and three amphibian species as having been previously recorded in the desktop study area, some of which have the potential to occur within the survey area.

No conservation significant fauna taxa or any evidence of significant fauna were observed within the survey area.

The south-eastern extent of the survey area is located adjacent to the Yeo Lake Nature Reserve, which is also categorised as an Environmentally Sensitive Area under the *Environmental Protection Act 1986* (EP Act).

1 INTRODUCTION

Botanica Consulting Pty Ltd (Botanica) was commissioned by Main Roads Western Australia (MRWA) to undertake a Biological Survey of the Great Central Road (Outback Way). The survey area consists of three sections of road between SLK 206.25 – SLK 412.0 of the Great Central Road (Outback Way), hereafter referred to as the 'survey area'. The survey area extends for approximately 206 km and extends 100 m either side of the road centreline, as well as including associated sections for material resource pits and laydown areas. The survey area is approximately 5,917.4 ha in extent and is located in the Shire of Laverton (Figure 1-1). The results from the survey will be used to inform the environmental assessment and approvals process and they may also assist in the preparation of Environmental Impact Assessment documentation.

The scope of work includes:

- Desktop assessment within a 40 km radius of the survey area (referred to as the 'desktop study area');
- Detailed flora and vegetation survey and targeted flora survey of the survey area, covering an area of approximately 5,917.4 ha;
- Mapping of a contextual area of approximately 23,138 ha, a 500 m buffer surrounding the survey area, this mapping is based on extrapolating the survey data from the detailed survey, and
- Basic fauna survey of the survey area, covering an area of approximately 5,917.5 ha.

Definitions for the spatial extents referred to in this report, and their associated level of survey effort are outlined in Table 1-1.

Table 1-1: Survey areas and spatial extents for the Great Central Road Biological Survey (SLK 206.25 – SLK 412.0)

Terminology	Size (ha)	Definition of Spatial Extent	Survey Effort
Survey Area	5,917.5 ha	SLK 206.25 – SLK 412.0 (divided into three sections: SLK206–250; SLK250–349 and SLK349–SLK412).	• Detailed flora and vegetation survey and targeted flora survey. • Basic fauna survey
Study Area	2,140,766 ha	A 40km buffer around the survey area.	• Desktop background information gathered from database sources.
Contextual Area	23,279 ha	A 500m buffer around the survey area.	• Vegetation unit and fauna habitat extrapolation mapping

The field assessment was undertaken from the 2nd to the 5th May 2025 and the 15th to the 17th July 2025. The survey was done over two dates to accommodate for the attendance of Aboriginal Heritage monitors. SLK 206.25 to 250.4 and SLK 349.4 to 412.0 were surveyed in May, and SLK 250.4 to 349.4 was surveyed in July. This report has been written to report on the three sections individually summarised as a whole.

1.1 Objectives

The flora/vegetation assessment was conducted in accordance with the requirements of a detailed survey as defined in *Technical Guidance - Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016a). The objectives of the assessment were to:

- Gather background information on flora and vegetation in the desktop study area (literature review, database and map-based searches);
- Conduct a field survey to verify / ground truth the desktop assessment findings through a detailed and targeted survey;
- Define and map vegetation communities of the survey area to a scale appropriate for the Bioregion and described according to the National Vegetation Information System (NVIS) classification (NVIS Level V – Association);
- Record the species composition (abundance and diversity) of each vegetation community within the survey area and compile a species list for the survey area by vegetation type;
- Provide quadrat-based data from plots representative of each vegetation type (minimum of three quadrats per vegetation type) according to Environmental Protection Authority (EPA) guidelines;
- Assess the species composition of each quadrat;
- Determine the local and regional conservation significance of flora and vegetation within the survey area;
- Identify and record the locations of any conservation significant flora/vegetation within the survey area;
- Identify and record the locations of any introduced flora species (including Declared Pests and Weeds of National Significance (WoNS)) within the survey area;
- Provide a map showing the distribution of conservation significant flora/vegetation within the survey area; and
- Define and map the condition of vegetation within the survey area in accordance with the vegetation condition rating scale specified in the Environmental Protection Authority (EPA) *Technical Guidance - Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016a).

The targeted flora survey was conducted in accordance with the requirements of a targeted survey as defined in *Technical Guidance - Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016a). The objectives of the assessment were to:

- Gather background information on flora of significance in the local area (literature review, database and map-based searches);
- Based on results of the desktop assessment, identify vegetation types within the survey area that have the potential to contain flora of conservation significance;
- Conduct a field survey to identify flora of conservation significance within the survey area; and
- Provide GPS records and spatial map showing the distribution of flora of conservation significance within the survey area.

The fauna assessment was conducted in accordance with the requirements of a basic terrestrial fauna survey as defined in *Technical Guidance - Terrestrial Fauna Surveys for Environmental Impact Assessment* (EPA, 2020). The objectives of the assessment were to:

- Undertake a literature review, including map-based information searches of all current and relevant literature sources and databases relating to the survey area;
- Undertake a desktop investigation to identify any previously recorded occurrences of or potentially occurring Threatened and Priority listed fauna within the survey area;
- Undertake searches on available databases for details relating to any Threatened and Priority listed fauna previously identified as occurring or potentially occurring within the survey area;
- Conduct fauna habitat mapping and identify habitat types which are suitable for each significant fauna considered likely or possible to occur, or fauna recorded in the survey area;
- Compile an inventory of fauna species occurrences within the survey area;
- Undertake opportunistic, low intensity sampling of fauna; and
- Report on the conservation status of species present using the Western Australian Museum and *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) databases for presence of Threatened and Priority listed fauna species within the survey area.

In addition to the above the following was done in accordance with the Environmental Brief provided by MRWA:

- The vegetation mapping should clearly differentiate between areas of planted vegetation and regrowth vegetation within the report and spatial data;
- Any riparian vegetation should be mapped;
- The Threatened and Priority flora species that are considered within the likelihood of occurrence component of the desktop assessment are to be searched for during the field surveys, considering the following:

- The Targeted survey for Threatened and Priority flora will be done using a GPS with a <5 m accuracy;
- Where populations of Threatened and Priority flora are identified, survey and map the extent of populations to determine number and habitat area for each population. If these are large populations, the edges of the population boundary can be mapped. If the population extends outside the survey area, the survey will map the extent of the population.
- Any Cryptic, Threatened and Priority 1 flora located within the survey area are to be marked with a small peg, which will allow for its precise location to be mapped.
- Where suspected Threatened and/or Priority flora have been recorded within the survey area during the field surveys, Consultants are encouraged to call Main Roads from the field and provide an update to determine if further field survey effort is required within or outside of the survey area.
- Undertake fauna habitat assessment as per EPA guidance (2020). This includes undertaking habitat observation sites and habitat mapping.
- Habitat mapping should be based on vegetation units and the report should include a summary of which habitat types are suitable for each significant fauna considered likely or possible to occur, or fauna recorded in the survey area.
- Provide an inventory of all native and non-native fauna observed, based on sightings, scats, tracks and other evidence.

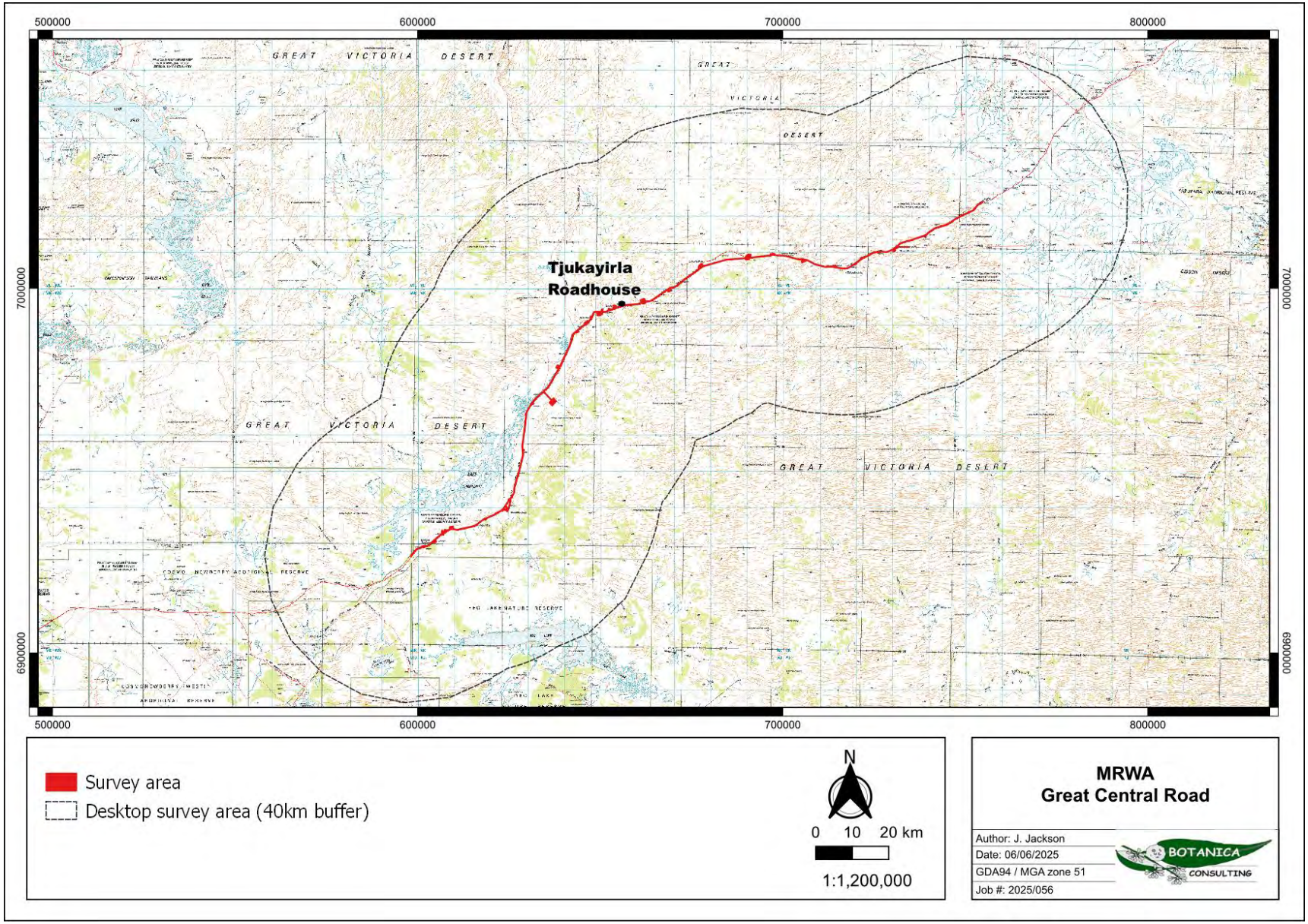


Figure 1-1: Regional map of the desktop study area/ survey area

2 REGIONAL BIOPHYSICAL ENVIRONMENT

2.1 Regional Environment

As defined by the Interim Biogeographic Regionalisation of Australia, Version 7 (IBRA), the desktop study area occurs in the Shield (GVD01) and Central (GVD02) subregions of the Great Victoria Desert Bioregion and the Lateritic Plain (GID01) of the Gibson Desert Bioregion. The survey area occurs only in the Central (GVD02) subregion of the Great Victoria Desert Bioregion (Figure 2-1).

The Great Victoria Desert Bioregion is described as an active sand-ridge desert of deep Quaternary aeolian sands with a tree steppe of Marble gum (*Eucalyptus gongylocarpa)*, Mulga and *E. youngiana* over hummock grassland, dominated by *Triodia basedowii*. Landforms consist of red sand plains with patches of aeolian dunefields, salt lakes on major valley floors with lake derived dunes, and silcrete-capped mesas and plateaus (breakaways) (McKenzie, May & McKenna, 2002). There are three subregions – Shield, Central and Maralinga.

The Shield (GVD01) subregion comprises salt lakes and major valley floors with lake derived dunes, sandplains with patches of seif dunes running east west and areas of moderate relief without-cropping and silcrete-capped mesas and plateaus (breakaways). The subregion contains a major palaeochannel of Ponton Creek. Spinifex (*Triodia* spp.) and mallee (*Eucalyptus kingsmillii*, *E*. *youngiana*) over hummock grassland dominated by *Triodia basedowii* occur on the aeolian sandplain. Scattered marble gum (*E*. *gongylocarpa*) and native pine (*Callitris*) occur on the deeper sands of the sand plains. Mulga and Acacia woodlands occur mainly on the colluvial and residual soils. Salt bush (*Atriplex* spp.), Bluebush (*Maireana* spp.), and samphire (Tecticornia spp.) occur on the margins of salt lakes and in saline drainage areas (Barton & Cowan, 2001a).

The Central (GVD02) subregion consists of salt lakes and major valley floors with lake derived dunes. The subregion comprises sand plains with extensive seif dunes running east west, occasional outcropping (breakaways) and quartzite hills which provide minor relief. Vegetation is primarily a tree steppe of *Eucalyptus gongylocarpa*, Mulga and *E*. *youngiana* over hummock grassland dominated by *Triodia basedowii* on the aeolian sands. Acacia dominates colluvial soils with *Eremophila* and *Santalum* spp.. Halophytes are confined to edges of salt lakes and saline drainage systems (Barton and Cowan, 2001b).

The Gibson Desert bioregion comprises gravelly sandplains and laterised upland on flat-lying Jurassic and Cretaceous sandstones of the Canning (Gunbarrel) Basin. Vegetation is described as ‘Carnegie Botanical District’, Mulga parkland over *Triodia basedowii* on lateritic “buckshot” plains. The region is rich and diverse in both its flora and fauna however most species are wide ranging and usually occur in at least one, and often several, adjoining deserts. There are two subregions, the Lateritic Plain, a monotonous, gently undulating plain with a few sandstone mesas, and the Dune Field, dominated by red dune fields mantling Permian strata of Gunbarrel Basin (McKenzie, May & McKenna, 2002).

The Lateritic Plain (GID01) subregion is a monotonous, gently undulating plain with few sandstone mesas, gravelly sandplains and laterised upland on flat-lying Jurassic and Cretaceous sandstones of Canning (Gunbarrel) Basin. Vegetation is described as 'Carnegie Botanical District', Mulga parkland over *Triodia basedowii* on lateritic "buckshot" plains. Mixed shrub steppe of Acacia, Hakea and Grevillea over *Triodia pungens* on red sand plains and dune fields. Lateritic uplands support shrub steppe in the north and mulga scrub in the south. Quaternary alluvia associated with palaeo-drainage features support Coolibah woodlands over bunch grasses (Graham, Barton & Cowan, 2001).

2.2 Land Use

The dominant land uses of the Shield subregion include Unallocated Crown Land (UCL) and Crown reserves (55.68%), pastoral grazing (24.85%), conservation areas (7.05%) and Aboriginal Reserves (12.33%) also present (Barton & Cowan, 2001a).

The dominant land uses of the Central subregion include Unallocated Crown Land (UCL) and Crown reserves (78.92%), pastoral grazing (4.4%), conservation areas (9.11%) and Aboriginal Reserves (7.36%) also present (Barton & Cowan, 2001b).

The dominant land uses of the Lateritic Plain subregion include UCL and crown reserves (50.74%), grazing-leasehold (29.26%), conservation reserves (14.57%) and Aboriginal Reserves (5.43%) (Graham, Barton & Cowan, 2001).

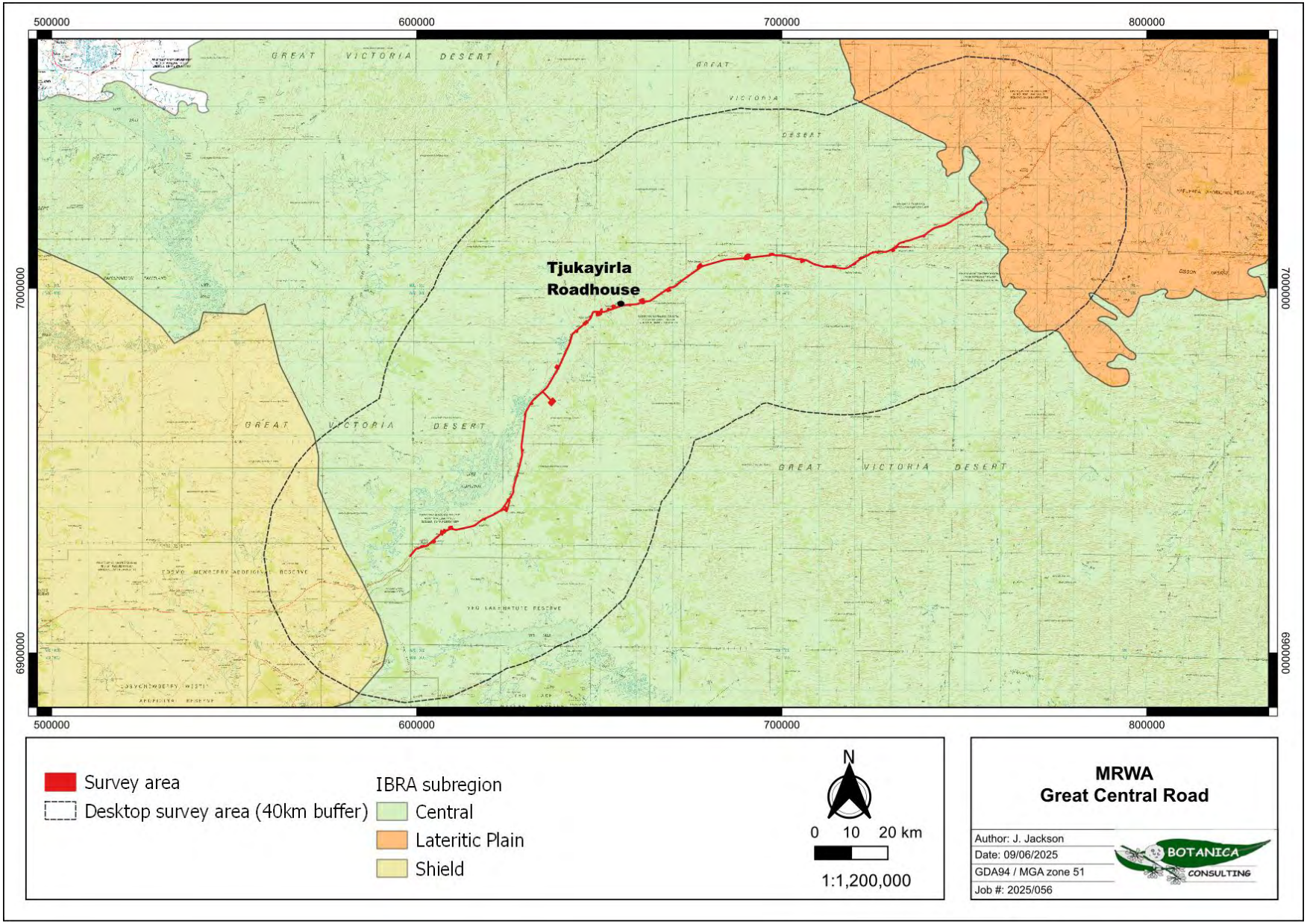


Figure 2-1: Map of IBRA subregions in relation to the desktop study area/ survey area

2.3 Soil Landscape Systems

The survey area lies predominately within the North-Western Great Victoria Desert (Zone 122) and partly within the Southern Gibson Desert (Zone 192) of the Gunbarrel Province. The desktop study area is located within these zones as well as the Leemans Sandplain (Zone 274) of the Murchison Province and the Southern Great Victoria Desert (Zone 124) of the Gunbarrel Province. These Zones are shown in Figure 2-2.

The North-Western Great Victoria Desert Zone is located in the southern arid interior between Lake Carnegie, Rason Lake and Warburton. It consists of sandplains and dunes (with some undulating plains and uplands) on sedimentary rocks of the Gunbarrel Basin. Soils include red sandy earths and red deep sands with some red loamy earths and red-brown hardpan shallow loams. Vegetation is typically mulga shrublands and spinifex grasslands with mallee.

The Southern Gibson Desert Zone is located in the central Arid Interior between Warburton, Baker Lake and the Hutton Range. It consists of lateritic uplands (with some sandplains, dunes, mesas and alluvial plains) on sedimentary rocks of the Gunbarrel Basin. Soils are shallow gravels with red deep sands and red-brown hardpan shallow loams with some deep sandy gravels, red sandy earths and red Loamy earths. The vegetation is mostly spinifex grasslands with mulga scrub.

Southern Great Victoria Desert Zone is located in the central Arid Interior between Well No. 24 (Canning Stock Route) and Lake Burnside. The landscape is typified by sandplains and dunes (with some uplands and mesas) on sedimentary rocks of the Gunbarrel Basin. Soils include red sandy earths with red deep sands and some shallow gravels, red loamy earths and red-brown hardpan shallow loams. Vegetation consists of spinifex grasslands with desert bloodwood and shrubs and some mulga scrub.

The Leemans Zone is located in the south-western Arid Interior between Lakes Wells and Minigwal (to the east of Laverton). It consists of sandplains (with some gravel plains, mesas and salt lakes) on granitic rocks of the Yilgarn Craton (Eastern Goldfields Superterrane). Soils are red sandy earths with red loamy earths and some red deep sands, red-brown hardpan shallow loams and calcareous loamy earths. Vegetation is mostly spinifex grasslands with marble gum, mallee and mulga shrublands (with some halophytic shrublands) (Tille, 2006).

These zones are further divided into soil landscape systems, with the desktop study area located within eleven soil landscape systems, and the survey area located within six soil landscape systems, these are described in Table 2-1 and shown in Figure 2-3 (ASRIS, 2014).

Table 2-1: Soil landscape systems within the desktop study area/ survey area

Soil Landscape System	Description	Desktop Area		Survey Area	
		Area (ha)	%	Area (ha)	%
AB47 atlas system	Plains and dunes--longitudinal and ring dunes with interdune corridors and plains; occasional salt pans	850821	39.7	1871.4	31.6
AB49 atlas system	Plains with a variable proportion of longitudinal sand dunes and scattered residuals of hard sedimentary rocks and laterites	318034	14.9		
AY2 atlas system	Dissected lateritic upland (tableland) of flat to hilly topography with shallow detrital valleys and pediment slopes	271482	12.7	18.3	0.3
BA18 atlas system	Hilly areas on sedimentary rocks and with much bare rock exposed	314	0.0		
BB18 atlas system	Small valley plains with calcrete (kunkar) platforms; some small clay pans and salt pans	8718	0.4		
BY6 atlas system	Scarpland-breakaways and residuals of various forms, cuestas, mesas, buttes, stony hillocks, and hills commonly with large bare slabs of silcrete; stone and gravel pavements are common;	88725	4.1	321.3	5.4
BY7 atlas system	Scarpland--low lateritic breakaways on granites and gneisses	20120	0.9		
Fa8 atlas system	Steep ranges comprising fine-grained sedimentary rocks along with basic dykes; extensive portions of this unit are without soil cover	10335	0.5		
Mx22 atlas system	Plains often flanking areas of regional drainage (unit SV10); some longitudinal sand dunes	59260	2.8	1124.0	19.0
My99 atlas system	Plains with extensive gravel pavements and small tracts of longitudinal dunes	412653	19.3	2098.4	35.5
SV10 atlas system	Shallow valleys with lakes, clay pans, salt pans, calcrete (kunkar) platforms, sand dunes, kopi dunes, and calcareous dunes	100305	4.7	484.2	8.2
Total		**2140767**	**100**	**5917.6**	**100**

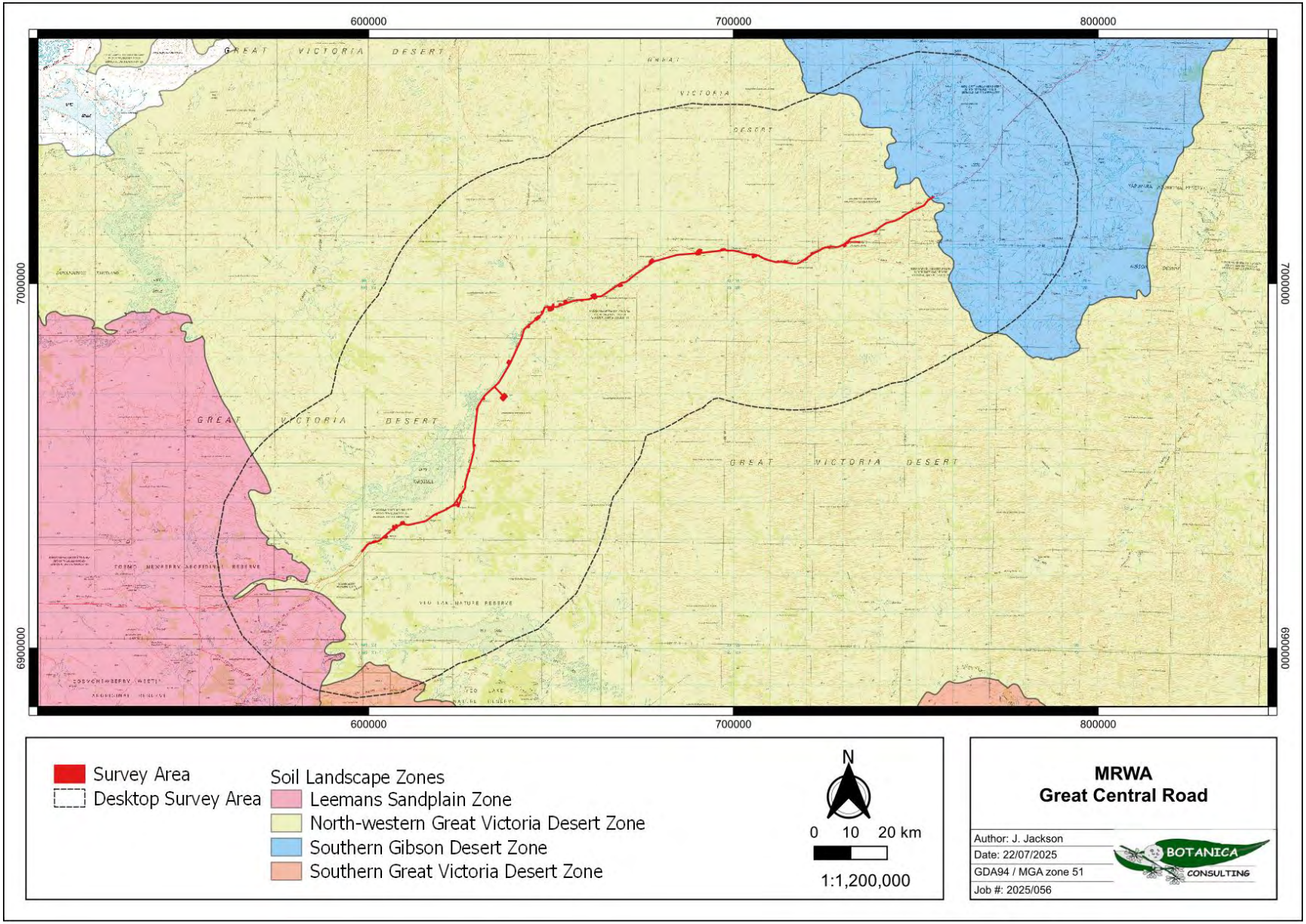


Figure 2-2: Map of soil landscape zones within the desktop study area/ survey area

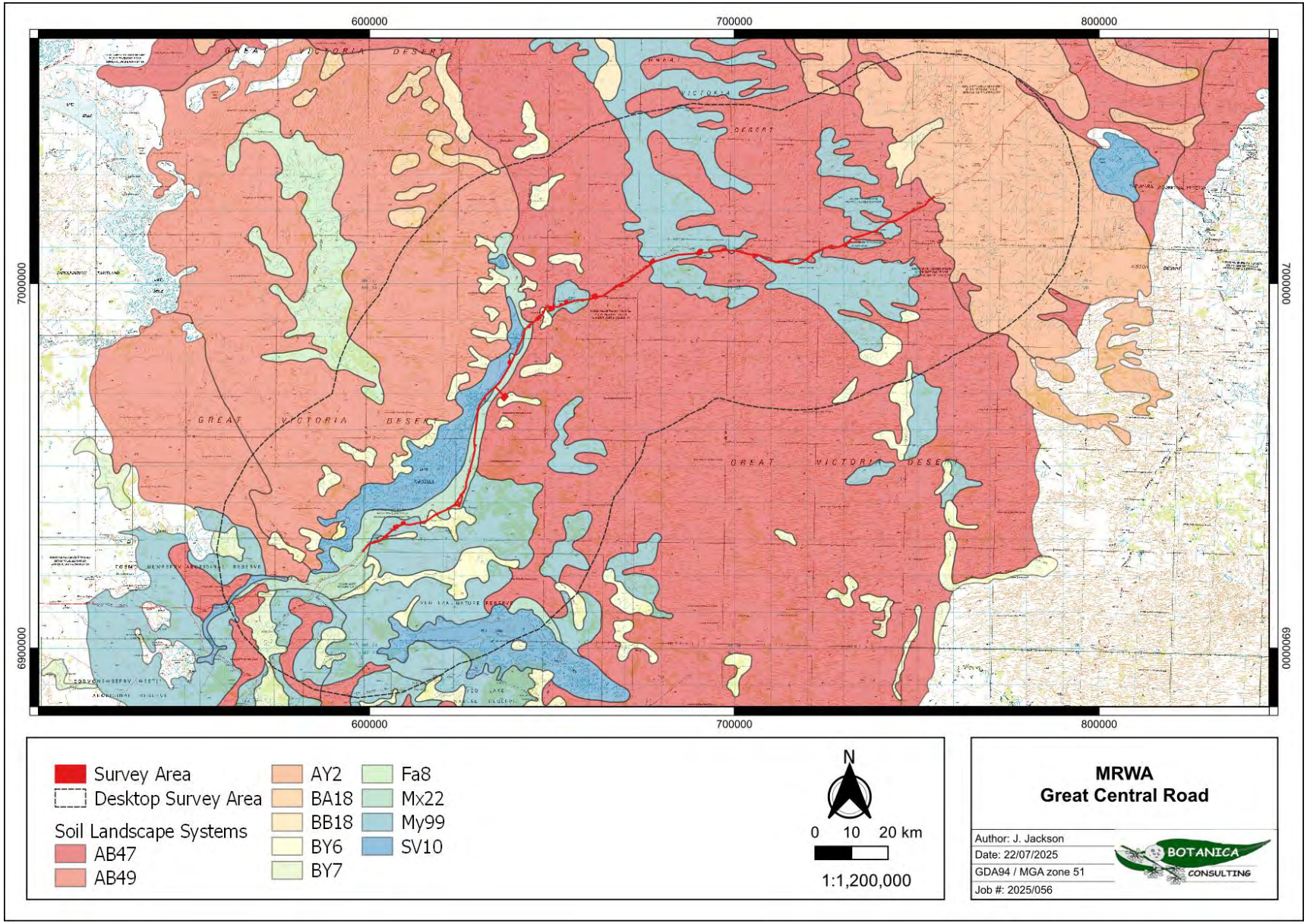


Figure 2-3: Map of soil landscape systems within the desktop study area*/* survey area

2.4 Vegetation

Tille (2006) describes the vegetation of the Gunbarrel Province as 'hummock grasslands of hard spinifex (*Triodia basedowii*) are common on sandplains in the south. These are found in association with open low tree and mallee steppe of marble gum (*Eucalyptus gongylocarpa*) and mallees (e.g., *E. youngiana*). To the north, mulga (*Acacia aneura*) scrub replaces marble gum and mallee. Grassland of feathertop spinifex (*T. schinzii*) with scattered desert bloodwood (*Corymbia dichromophloia*) and mixed shrubs also appears on the dunefields. Hard spinifex and mulga dominate the gravelly plains of the Gibson Desert.'

The vegetation of the Murchison Province is described as 'Mulga (*Acacia aneura*) shrublands and woodlands with gidgee (*A. pruinocarpa*), curara (*A. tetragonophylla*), *A. linophylla*, bowgada (*A. ramulosa*), jam (*A. acuminata*), minniritchie (*A. grasbyi*), *Senna* spp. and *Eremophila* spp. dominate the hardpan wash plains (Tille, 2006).

McKenzie, May and McKenna (2002) describe the Great Victoria Desert IBRA Region as an active sand-ridge desert of deep Quaternary aeolian sands with a tree steppe of *Eucalyptus gongylocarpa*, Mulga and *E. youngiana* over hummock grassland, dominated by *Triodia basedowii*.

Beard *et al* (2013) notes that two of the vegetation types found in this survey area and desktop study area, low woodland, open low and sparse woodland dominated by *Acacia aneura* (mulga), and shrub-steppe of hummock grassland dominated by *Triodia* spp. with scattered shrubs of *Acacia* spp. and *Grevillea* spp., are two of six vegetation types that are the most extensive in WA and cover 36 million ha and 25 million ha respectively.

Areas retaining less than 30% of their pre-European vegetation extent generally experience exponentially accelerated species loss, while areas with less than 10% are considered "endangered" (EPA, 2000). The twenty vegetation associations within the desktop study area retain 100% of their pre-European extent, and the six vegetation associations that occur within the survey area all retain 100% of their pre-European extent (Table 2-2). These vegetation associations are presented in Figure 2-4. Clearing within the survey area will not significantly reduce the extent of these vegetation associations.

Table 2-2: Beard vegetation associations within the desktop study area/ survey area

IBRA subregion	Vegetation Association	Pre-European extent remaining (ha)	Pre-European extent remaining (%)	% of current extent within DBCA managed lands	Vegetation Description (Beard, 1990)
GID01	GIBSON DESERT_19	408682.8	100%	0	Low woodland, open low woodland or sparse woodland: Mulga (*Acacia aneura)* and associated species.

IBRA subregion	Vegetation Association	Pre-European extent remaining (ha)	Pre-European extent remaining (%)	% of current extent within DBCA managed lands	Vegetation Description (Beard, 1990)
	GIBSON DESERT_39	1063484.6	100%	36.54	Wattle, teatree & other species Acacia spp. Melaleuca spp.
	GIBSON DESERT_96	694323.8	100%	2.51	Tree-and-shrub-steppe: Hummock grassland with scattered eucalypts over wattle scrub or mallee Triodia spp. Acacia spp., *Eucalyptus leucophloia, E. youngiana.*
	GIBSON DESERT_139	6992391.7	100%	16.14	Hummock grassland with sparse shrubs Triodia spp. Acacia spp.
GVD01	GREAT VICTORIA DESERT_18	497637.0	100%	0.24	Low woodland, open low woodland or sparse woodland: Mulga (*Acacia aneura)* and associated species.
	GREAT VICTORIA DESERT_19	13144.1	100%	0	Low woodland, open low woodland or sparse woodland: Mulga (*Acacia aneura)* and associated species.
	GREAT VICTORIA DESERT_24	21669.7	100%	0	Other acacia, banksia, cypress pine, casuarina, York gum Acacia spp., Banksia spp., Callitris spp., Allocasuarina spp., *Eucalyptus loxophleba.*
	GREAT VICTORIA DESERT_39	151986.2	100%	0	Wattle, teatree & other species Acacia spp. Melaleuca spp.
	GREAT VICTORIA DESERT_45	73640.1	100%	0	Eucalypt shrubland (*Eucalyptus eremophila, E. redunca, E.* spp.)
	GREAT VICTORIA DESERT_125	54842.7	100%	0	Salt lake, lagoon, clay pan.
	GREAT VICTORIA DESERT_239	122137.7	100%	0	Tree-and-shrub-steppe: Hummock grassland with scattered eucalypts over wattle scrub or mallee Triodia spp. Acacia spp., *Eucalyptus leucophloia, E. youngiana.*
	GREAT VICTORIA DESERT_1239	1393809.7	100%	2.46	Tree-and-shrub-steppe: Hummock grassland with scattered eucalypts over wattle scrub or mallee Triodia spp. Acacia spp., *Eucalyptus leucophloia, E. youngiana.*
GVD02	GREAT VICTORIA DESERT_19	2566664.1	100%	0	Low woodland, open low woodland or sparse woodland: Mulga (*Acacia aneura)* and associated species.
	GREAT VICTORIA DESERT_24	204204.4	100%	0	Samphire: Tecticornia spp. communities in saline areas.
	GREAT VICTORIA DESERT_39	1031024.8	100%	3.39	Scrub, open scrub or sparse scrub: Wattle, teatree & other species Acacia spp. Melaleuca spp.
	GREAT VICTORIA DESERT_45	96739.5	100%	10.04	Mallee: Eucalypt shrubland *Eucalyptus eremophila*, E. spp.
	GREAT VICTORIA DESERT_84	904690.7	100%	3.67	Tree-and-shrub-steppe: Hummock grassland with scattered eucalypts over wattle scrub or mallee Triodia

IBRA subregion	Vegetation Association	Pre-European extent remaining (ha)	Pre-European extent remaining (%)	% of current extent within DBCA managed lands	Vegetation Description (Beard, 1990)
					spp. Acacia spp., *Eucalyptus leucophloia, E. youngiana.*
	GREAT VICTORIA DESERT_85	3049469.0	100%	15.96	Tree-and-shrub-steppe: Hummock grassland with scattered eucalypts over wattle scrub or mallee Triodia spp. Acacia spp., *Eucalyptus leucophloia, E. youngiana.*
	GREAT VICTORIA DESERT_95	115129.7	100%	0	Hummock grassland with scattered shrubs or mallee Triodia spp. Acacia spp., Grevillea spp. Eucalyptus spp.
	GREAT VICTORIA DESERT_676	8.7	100%	0	Samphire: Tecticornia spp. communities in saline areas.

*Green shading denotes a vegetation association that occurs in the survey area.

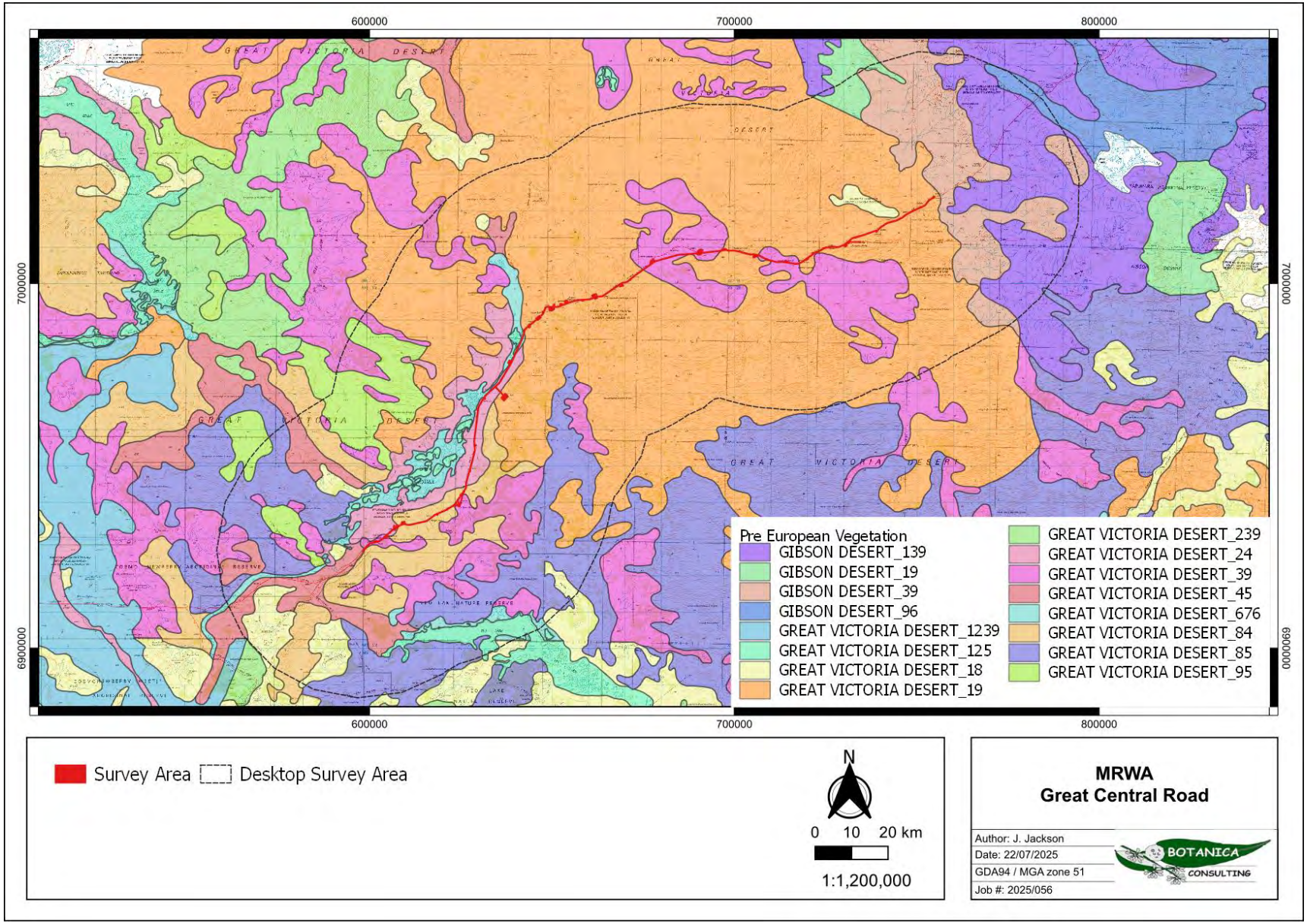


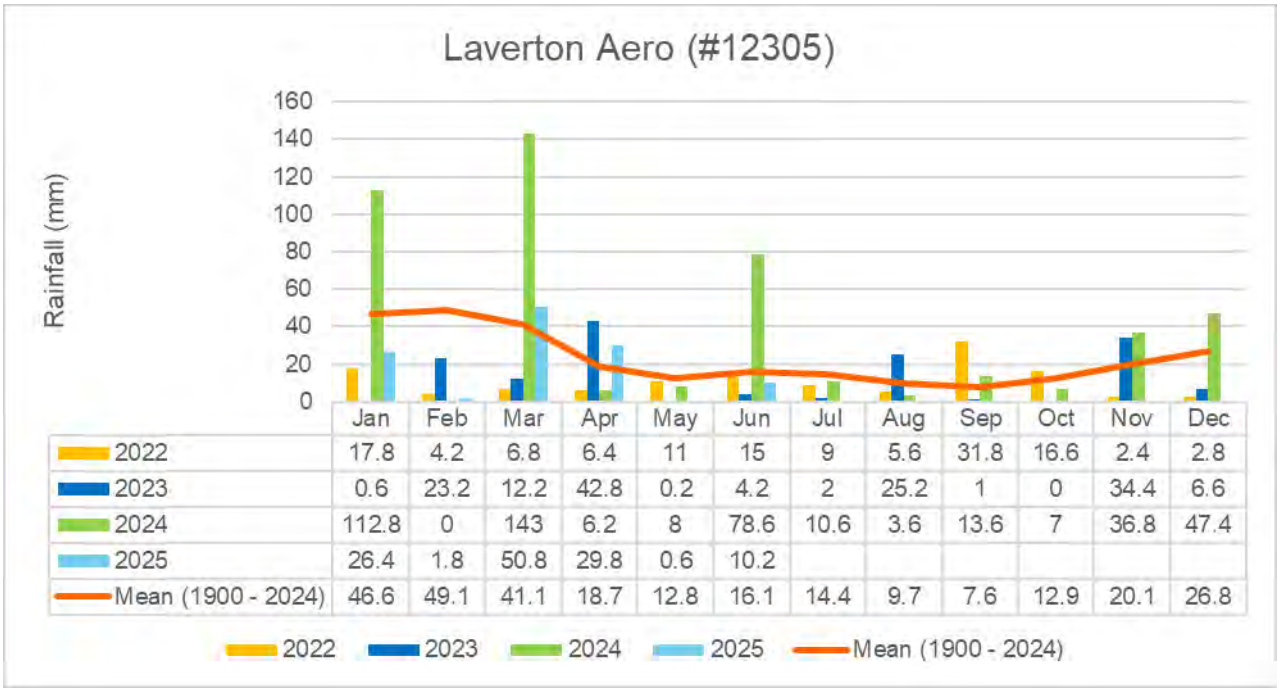
Figure 2-4: Pre-European vegetation associations within the desktop study area*/* survey area

2.5 Climate

The climate of the Shield subregion (GVD01) is described as arid, with summer and winter rain with approximately 190mm per annum (Barton and Cowan, 2001a). The climate of the Central subregion (GVD02) is described as arid, with summer and winter rain averaging 150 –180mm annually (Barton and Cowan, 2001b).

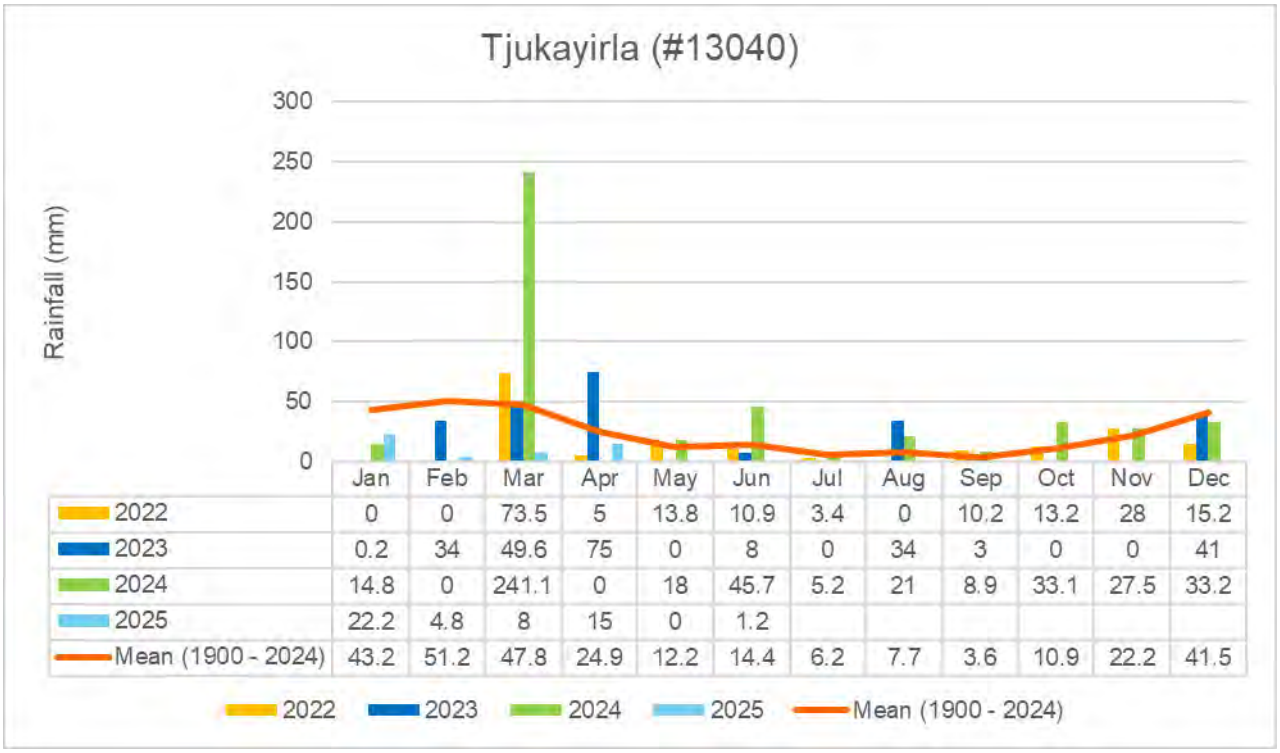
The Lateritic Plain subregion (GID01) is described as having an arid climate, with a mean annual rainfall of 200 mm of mainly summer rainfall (Graham, Barton and Cowan, 2001).

Rainfall for three weather stations are presented in Figure 2-5, Figure 2-6 and Figure 2-7 The Laverton Aero weather station is approximately 183 km southwest of the southern end of the survey area, the Tjukayirla weather station is within the buffer area of the survey area, and the Warburton Aero weather station is approximately 132 km northwest of the northern end of the survey area. Rainfall for Tjukayirla has been below average in 2025, above average rainfall was last received in October and November in 2024 (Figure 2-6).



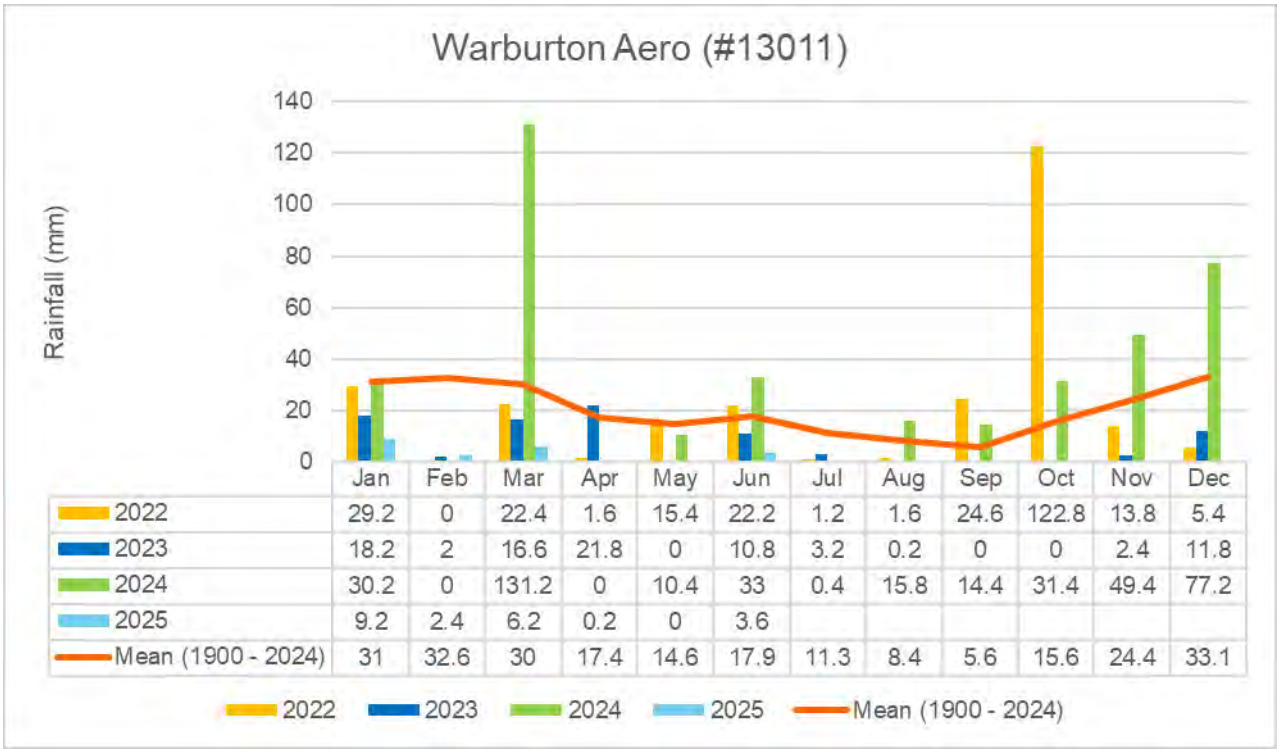
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2022	17.8	4.2	6.8	6.4	11	15	9	5.6	31.8	16.6	2.4	2.8
2023	0.6	23.2	12.2	42.8	0.2	4.2	2	25.2	1	0	34.4	6.6
2024	112.8	0	143	6.2	8	78.6	10.6	3.6	13.6	7	36.8	47.4
2025	26.4	1.8	50.8	29.8	0.6	10.2						
Mean (1900 - 2024)	46.6	49.1	41.1	18.7	12.8	16.1	14.4	9.7	7.6	12.9	20.1	26.8

Figure 2-5: Monthly rainfall (January 2022 to May 2025) for the Laverton Aero weather station (#12305) (BoM, 2025a)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2022	0	0	73.5	5	13.8	10.9	3.4	0	10.2	13.2	28	15.2
2023	0.2	34	49.6	75	0	8	0	34	3	0	0	41
2024	14.8	0	241.1	0	18	45.7	5.2	21	8.9	33.1	27.5	33.2
2025	22.2	4.8	8	15	0	1.2						
Mean (1900 - 2024)	43.2	51.2	47.8	24.9	12.2	14.4	6.2	7.7	3.6	10.9	22.2	41.5

Figure 2-6: Monthly rainfall (January 2022 to May 2025) for the Tjukayirla weather station (#13040) (BoM, 2025a)



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2022	29.2	0	22.4	1.6	15.4	22.2	1.2	1.6	24.6	122.8	13.8	5.4
2023	18.2	2	16.6	21.8	0	10.8	3.2	0.2	0	0	2.4	11.8
2024	30.2	0	131.2	0	10.4	33	0.4	15.8	14.4	31.4	49.4	77.2
2025	9.2	2.4	6.2	0.2	0	3.6						
Mean (1900 - 2024)	31	32.6	30	17.4	14.6	17.9	11.3	8.4	5.6	15.6	24.4	33.1

Figure 2-7: Monthly rainfall (January 2022 to May 2025) for the Warburton Aero weather station (#13011) (BoM, 2025a)

2.6 Conservation Values

There are no Ramsar wetlands within the survey area or within 40 km of the survey area. There are two wetlands of national importance (ANCA Wetlands) within the desktop survey area, Yeo Lake is approximately 29 km south of the survey area and Lake Throssell is immediately west of the western end of the survey area.

There are no Environmentally Sensitive Areas (ESA) as listed under the EP Act within the survey area, there are three ESAs within the desktop survey area, these are the Yeo Lake Nature Reserve, Lake Throssell and an un-named ESA.

The survey area is not within a reserve that is gazetted with the Conservation and Parks Commission of WA for the purposes of 'conservation of flora and fauna'. The nearest gazetted reserve is the Yeo Lake Nature Reserve (R 36271) which is approximately 1.5 km south of the southern end of the survey area.

A map showing conservation areas in relation to the assessment area is provided in Figure 2-8.

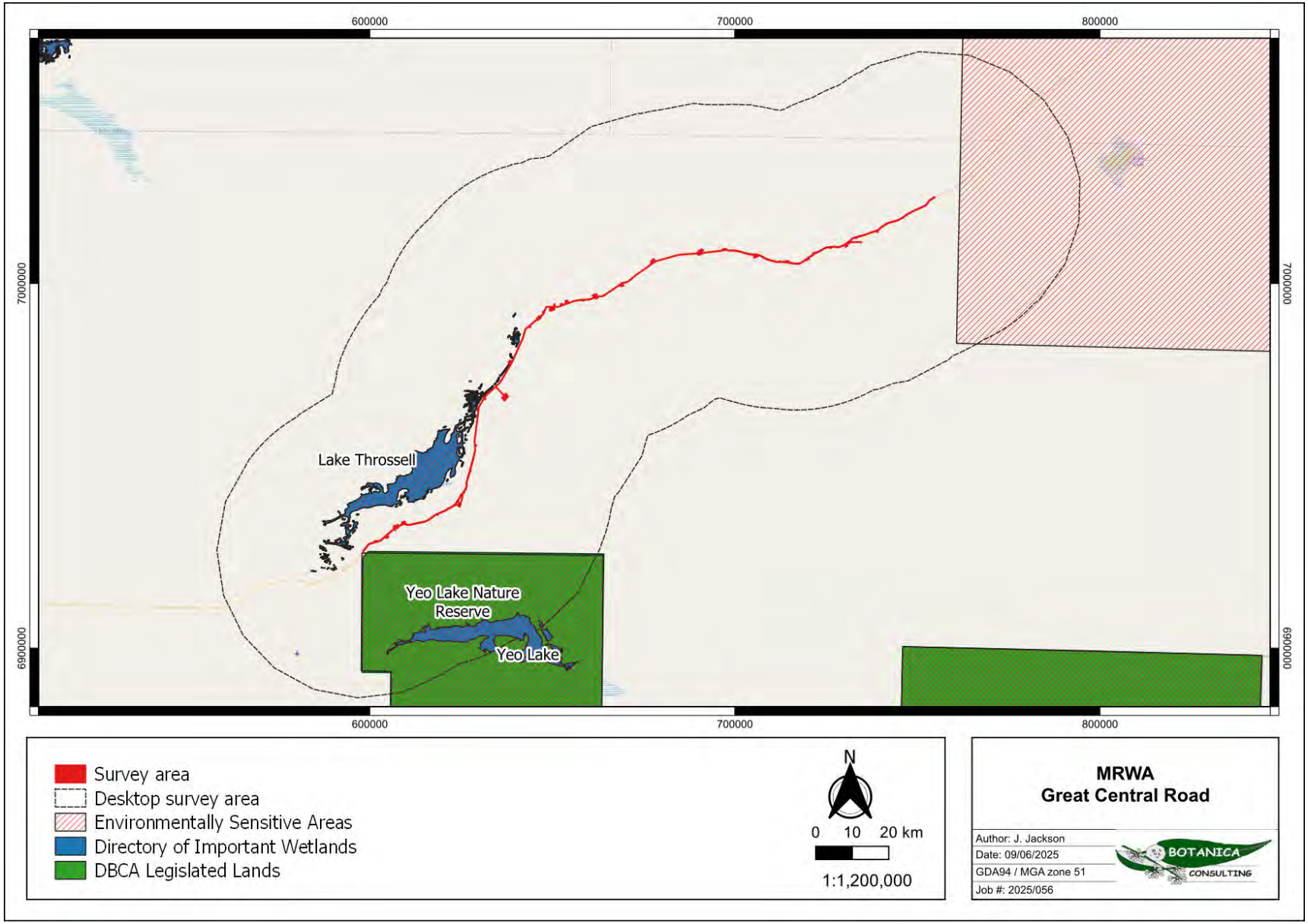


Figure 2-8: Conservation values within the survey/desktop study area

2.7 Hydrology

According to the Geoscience Australia database (2015) and the Hydrography, Linear (Hierarchy) (DWER-031) dataset, there are numerous ephemeral drainage lines, multiple un-named salt lakes and the following lakes located within the desktop study area as shown in Figure 2-9:

- Lake Throssell; and
- Yeo Lake.

Both of these lakes are recognised as nationally important wetlands (Australian Nature Conservation Agency (ANCA) Wetlands).

There are no surface water bodies within the survey area. Multiple ephemeral drainage lines intersect with the survey area.

Groundwater Dependent Ecosystems (GDEs) includes biological assemblages of species such as wetlands or woodlands that use groundwater either opportunistically or as their primary water source. For the purposes of this report, a GDE is defined as any vegetation community that derives part of its water budget from groundwater and must be assumed to have some degree of groundwater dependency. According to the BoM Atlas of Groundwater Dependent Ecosystems (BoM, 2022b) database several potential terrestrial and aquatic GDEs are located within the desktop study area. Within the survey area, there are no potential aquatic GDEs, one high-potential terrestrial GDE, one moderate-potential terrestrial GDE and four low-potential GDEs, as listed in Table 2-3 and shown in Figure 2-9.

Table 2-3: Potential Terrestrial Groundwater Dependent Ecosystem within the survey area

Type	Geomorphology	Potential	Ecosystem Description	Area (ha)	% of Survey Area
Terrestrial	Sandplain with some gravel plains, mesas and small salt lakes.	Moderate	Shrublands; mallee scrub (Great Victoria Desert)	15	0.3
	West-east longitudinal dunes, broken by low tablelands and ridges in the northwest.	High	Succulent steppe; samphire	178	3.6
		Low	Low woodland; mulga between sandridges	2817	57.6
		Low	Shrublands; mulga scrub	1343	27.5
		Low	Hummock grasslands, open low tree & mallee steppe; marble gum & mallee (*Eucalyptus youngiana*) over hard spinifex *Triodia basedowii* between sandhills.	539	11.0
			Total	**4,892**	**100**

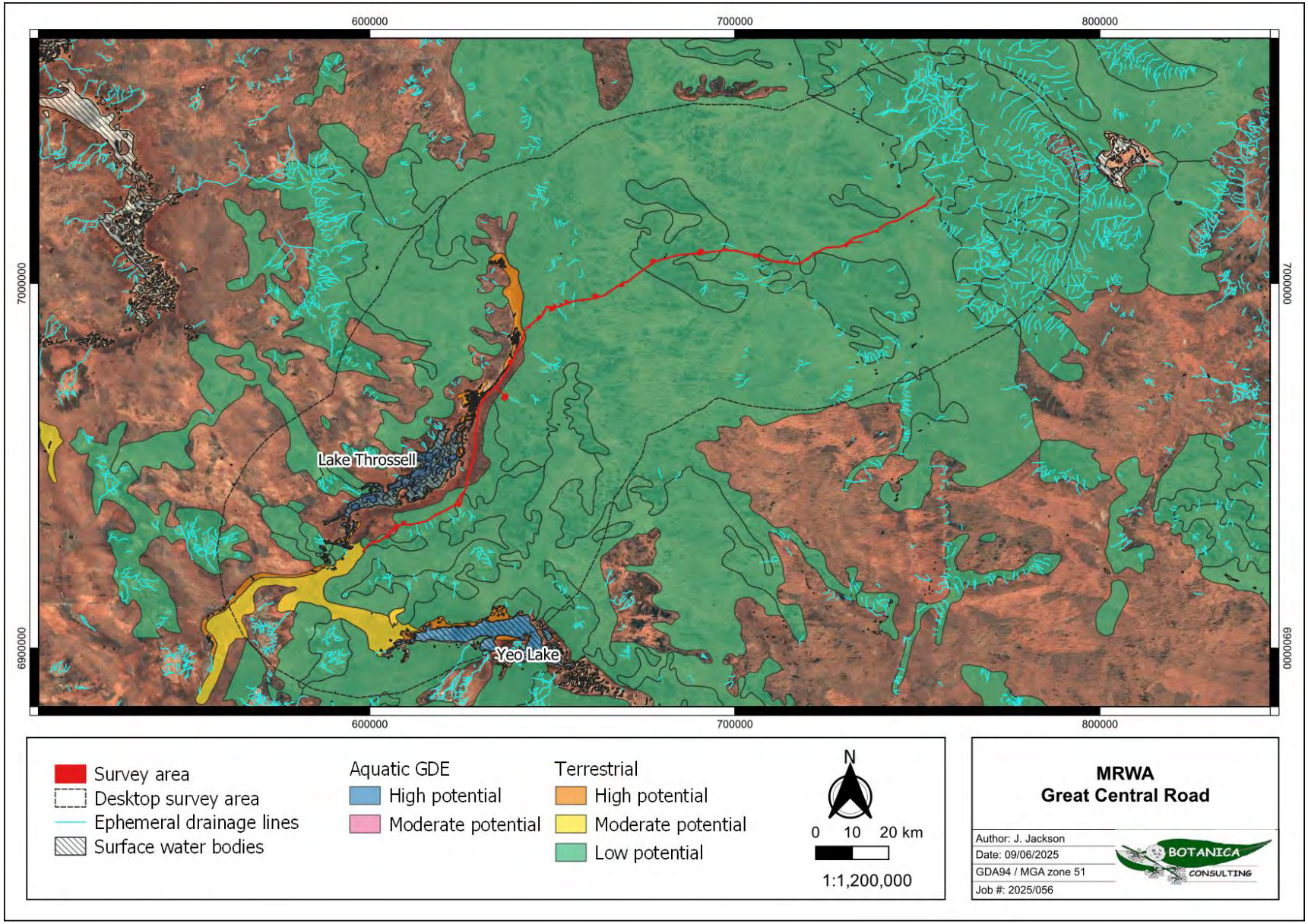


Figure 2-9: Regional hydrology of the desktop study area/ survey area

3 SURVEY METHODOLOGY

3.1 Desktop Assessment

Prior to the field assessment a literature review was undertaken of previous flora and fauna assessments conducted within the local region. Documents reviewed included:

- Botanica Consulting Pty Ltd. (2020). *Flora, Vegetation and Fauna Assessment of the Great Central Road Stage 1 Biological Survey.* Unpublished report prepared for Main Roads Western Australia, August 2020.
- Botanica Consulting Pty Ltd. (2022a). *Great Central Road (Outback Way) (SLK 52.2-101) Biological Survey.* Unpublished report prepared for Main Roads Western Australia, September 2022.
- Botanica Consulting Pty Ltd. (2022b). *Great Central Road Warburton and Warakurna Biological Survey*. Unpublished report prepared for Main Roads Western Australia, April 2022.
- Botanica Consulting Pty Ltd. (2023). *Great Central Road (Outback Way) (SLK 87-205) Biological Survey.* Unpublished report prepared for Main Roads Western Australia, October 2023.
- Botanica Consulting Pty Ltd. (2025). *Great Central Road (The Outback Way) Road Number 6120015 Final Memo.* Unpublished report prepared for Main Roads Western Australia, June 2025.
- Maia (2021). *Lake Throssell Project Area: Flora and Vegetation Reconnaissance Survey, February 2021*. Unpublished report prepared for Trigg Mining Pty Ltd, May 2021.
- Maia (2021b). *Trigg Mining Limited: Lake Throssell Project Area – Exploration Tracks Targeted Flora and Vegetation Survey, October 2021*. Unpublished report prepared for Trigg Mining Pty Ltd, December 2021.
- Maia (2023). *Lake Throssell Project Area: Detailed Flora and Vegetation Assessment*. Unpublished report prepared for Trigg Mining Pty Ltd, March 2023.
- Spectrum Ecology (2022). *Memo: Lake Throssell, Ten Clearing Principles.* Unpublished report prepared for Trigg Mining Pty Ltd, June 2022.
- Western Wildlife (2022). *Lake Throssell Potash Project: Detailed Vertebrate Fauna Survey 2021.* Unpublished report prepared for Trigg Mining Pty Ltd, October 2022.

These reports were reviewed and a brief summary of any flora, fauna and/or vegetation of conservation significance found during these surveys is listed in Table 3-1.

Table 3-1: Summary of conservation significant flora/ vegetation/fauna observed during previous surveys of the Great Central Road and Lake Throssell

Month/ Year of survey	Author	Title	Approximate distance from the survey area	Cons Sig Flora/ Fauna/ Veg recorded
Dec 2019 and May 2020	Botanica	Flora, Vegetation and Fauna Assessment of the Great Central Road Stage 1 Biological Survey (SLK 11-52).	160 km southwest of the survey area.	No conservation significant flora and/or vegetation recorded. Six fauna species of conservation significance noted as possibly occurring in the wider area (but not necessarily within the survey area.
Dec 2021	Botanica	Great Central Road (Outback Way) (SLK 52.2-101) Biological Survey.	110 km southwest of the survey area.	No conservation significant flora and/or vegetation recorded. Six significant fauna were identified as potentially occurring within the survey area based on their habitat preferences, including hummock grassland and sandplains. Southern Whiteface (VU) was observed during the survey, this was not listed at the time of the survey.
2023	Botanica	Great Central Road (Outback Way) (SLK 87-205) Biological Survey.	Immediately southwest of the survey area.	No conservation significant flora and/or vegetation recorded. No significant fauna taxa were observed within the survey area
October 2024	Botanica	Great Central Road (The Outback Way) Road Number 6120015 Final (Memo). (SLK 538-551).	125 km northeast of the survey area.	>1400 *Seringia exastia* plants recorded in the survey area. No significant fauna taxa were observed within the survey area
Oct to Nov 2021	Botanica	Great Central Road Warburton and Warakurna Biological Survey.	Warburton section 125 km northeast of the survey area.	>1300 *Seringia exastia* plants recorded in the survey area. Southern Whiteface (VU) was observed during the survey, this was not listed at the time of the survey.
Feb 2021	Maia	Lake Throssell Project Area: Flora and Vegetation Reconnaissance Survey, February 2021.	Lake Throssell is adjacent to (west) of the survey area. Approximate SLK 200-270.	No conservation significant flora and/or vegetation recorded.
Autumn (April), winter (August) and spring (October) 2021; and autumn (April/May) 2022.	Maia	Lake Throssell Project Area: Detailed Flora and Vegetation Assessment.	Lake Throssell is adjacent to (west) of the survey area. Approximate SLK 200-270.	*Seringia exastia* recorded in the survey area (was not listed when the survey was done). Approximately 60 plants of *Melaleuca apostiba* (P3) recorded, no conservation significant vegetations was recorded.
Oct 2021	Maia	Memo: Lake Throssell, Ten Clearing Principles.	Lake Throssell is adjacent to (west) of the survey area. Approximate SLK 200-270.	Approximately 160 plants of *Melaleuca apostiba* (P3) recorded, no conservation significant vegetation was recorded.

Month/ Year of survey	Author	Title	Approximate distance from the survey area	Cons Sig Flora/ Fauna/ Veg recorded
2022	Western Wildlife	Lake Throssell Potash Project: Detailed Vertebrate Fauna Survey 2021.	Lake Throssell is adjacent to (west) of the survey area. Approximate SLK 200-270.	Burrows and scats of the Great Desert Skink (VU) were recorded. The Southern whiteface (VU) was recorded (was not listed when the survey was done). Priority fauna known to occur in the survey area: Brush-tailed Mulgara (*Dasycercus blythi;* Priority 4) on spinifex sandplains, the Southern Marsupial Mole (*Notoryctes typhlops* Priority 4) on sand dunes and the Long-tailed Dunnart (*Sminthopsis longicaudata;* Priority 4) on breakaways.

Searches of the following databases were provided to Botanica by Main Roads to aid in the compilation of a list of flora, vegetation and fauna taxa within the survey area:

- Department of Biodiversity, Conservation and Attractions (DBCA) Priority/ Threatened Flora Database Search (DBCA, 2025a),
- DBCA Priority/ Threatened Fauna Database Search (DBCA, 2025b).

The online dataset from Data WA was used to determine the presence of Ecological communities previously recorded within 40 km of the survey area (DBCA-038) (DBCA, 2025c). A database search request was submitted to the DBCA for NatureMap records within the desktop survey area (DBCA, 2025d). The DBCA Dandjoo online search tool was also used to aid species lists where possible (DBCA, 2025e).

In addition to the literature review and DBCA database search requests, a search of the EPBC Protected Matters search tool (PMST) (DCCEEW, 2025a) was also undertaken (using the desktop survey area) to aid in the compilation of a list of potential significant flora and fauna within the survey area.

The Birdlife Australia Birdata site and the Index of Biodiversity Surveys for Assessment (IBSA) site were also searched.

It should be noted that these lists may be based on observations from a broader area than the assessment area (usually a 40 km radius) and therefore may include taxa not present. The databases also often include very old records that may be incorrect or in some cases the taxa in question have become locally or regionally extinct. Information from these sources should therefore be taken as indicative only and local knowledge and information also need to be taken into consideration when determining what actual species may be present within the specific area being investigated.

The conservation significance of flora and fauna taxa was assessed using data from the following sources:

- *Environment Protection and Biodiversity Conservation* (EPBC) *Act 1999*. Administered by the Australian Government (DCCEEW);
- *Biodiversity Conservation* (BC) *Act 2016*. Administered by the WA Government (DBCA);
- Red List produced by the Species Survival Commission (SSC) of the World Conservation Union (also known as the IUCN Red List – the acronym derived from its former name of the International Union for Conservation of Nature and Natural Resources). The Red List has no legislative power in Australia but is used as a framework for State and Commonwealth categories and criteria; and

- Priority Flora/ Fauna list. A non-legislative list maintained by DBCA for management purposes (both updated July 2025).

The EPBC Act also requires the compilation of a list of migratory species that are recognised under international treaties including the:

- Japan Australia Migratory Bird Agreement 1981 (JAMBA)[1];
- China Australia Migratory Bird Agreement 1998 (CAMBA);
- Republic of Korea-Australia Migratory Bird Agreement 2007 (ROKAMBA); and
- Bonn Convention 1979 (The Convention on the Conservation of Migratory Species of Wild Animals).

Most but not all migratory bird species listed in the annexes to these bilateral agreements are protected in Australia as Matters of National Environmental Significance (MNES) under the EPBC Act. Descriptions of conservation significant species and communities are provided in Appendix 1.

3.2 Flora and Vegetation Field Assessment

Botanica conducted a detailed flora and vegetation survey and targeted flora survey from the 2nd to the 5th May 2025 by Jim Williams (Principal Botanist/ Diploma of Horticulture) and Jennifer Jackson (Botanist/ BSc Environmental Management (Honours)). An additional survey was done from the 15th to the 17th July 2025, with Jim Williams, Jennifer Jackson and recent graduate Ben Naim (BSc Environmental Management). Both Jim and Jennifer have more than 20 years' experience doing flora and fauna surveys in WA, with many years' experience in the Goldfields Region. The GPS track log of the survey effort is shown in Figure 3-1 to Figure 3-8

[1] Most but not all species listed under JAMBA are also specially protected under Specially Protected Species of the BC Act.



Figure 3-1: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 1 of 8)



Figure 3-2: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 2 of 8)

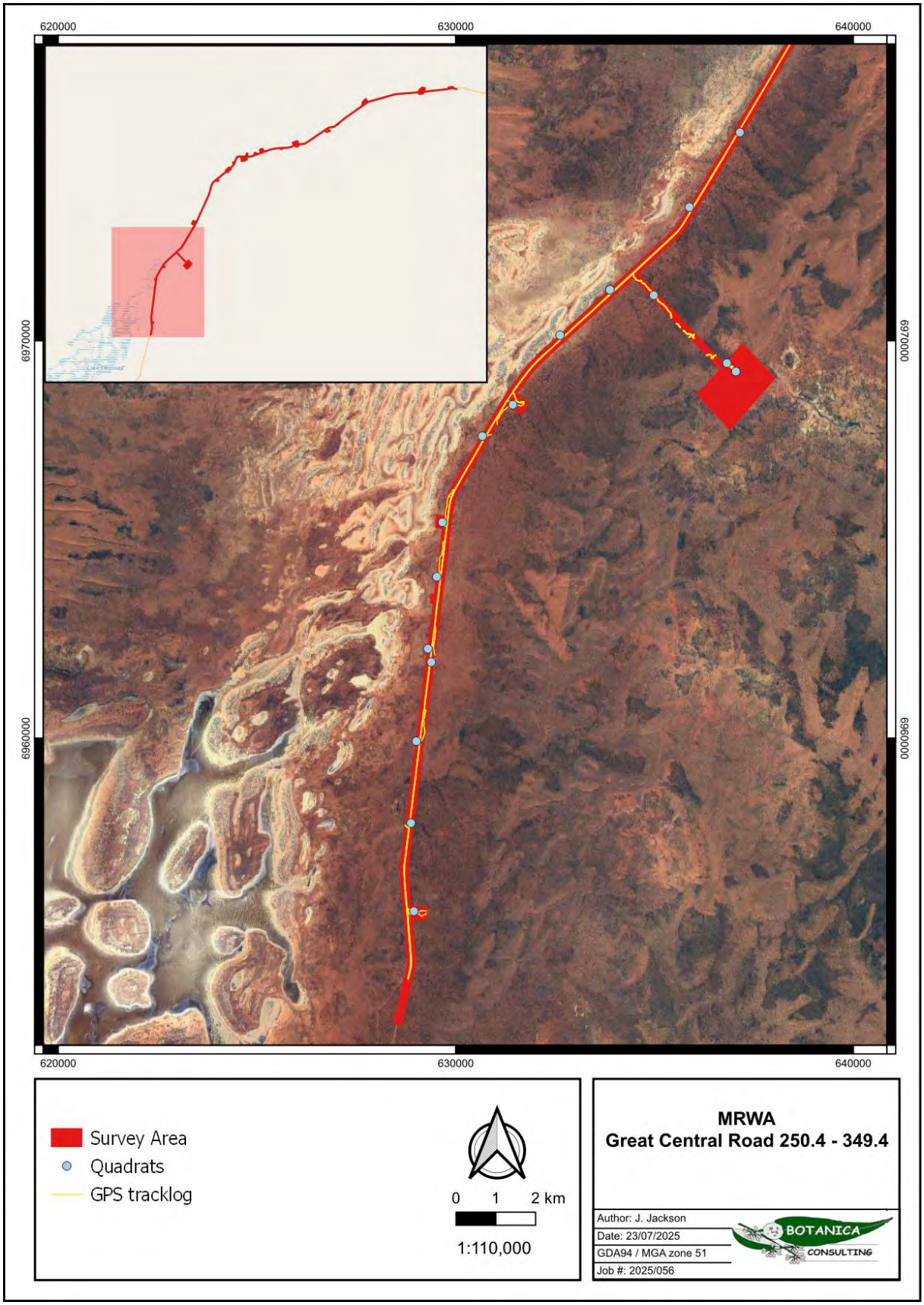


Figure 3-3: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 3 of 8)

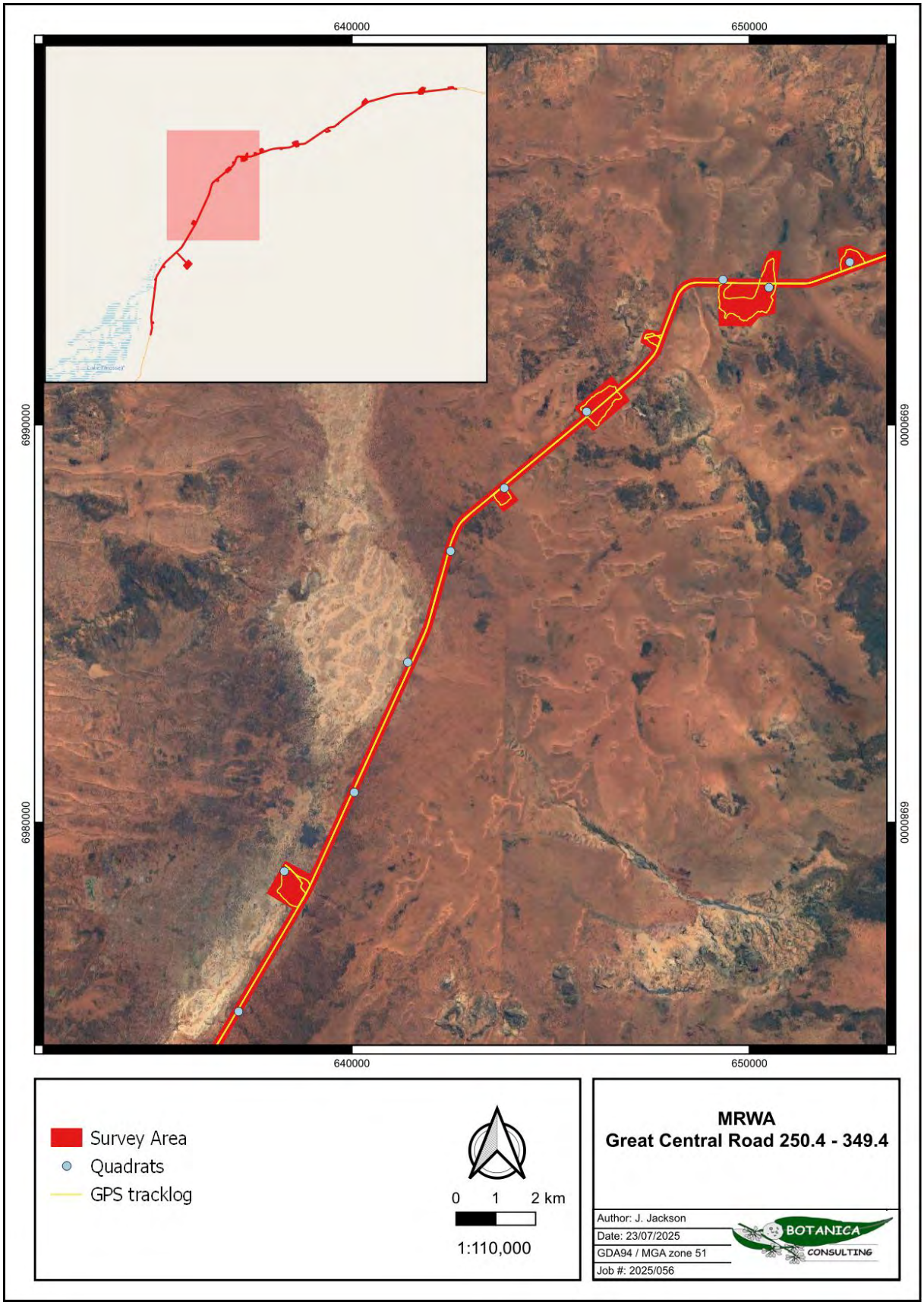


Figure 3-4: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 4 of 8)



Figure 3-5: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 5 of 8)

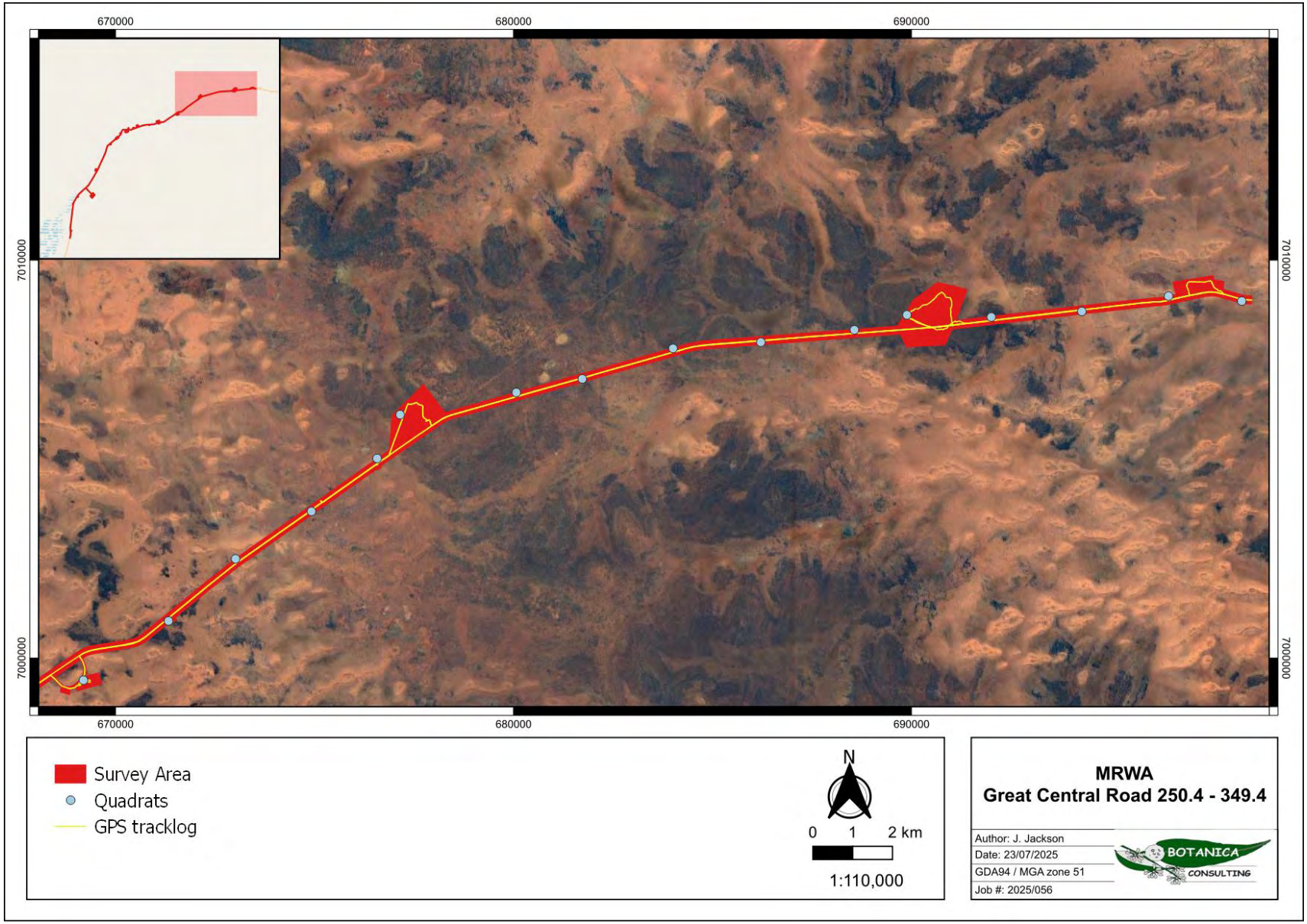


Figure 3-6: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 6 of 8)



Figure 3-7: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 7 of 8)

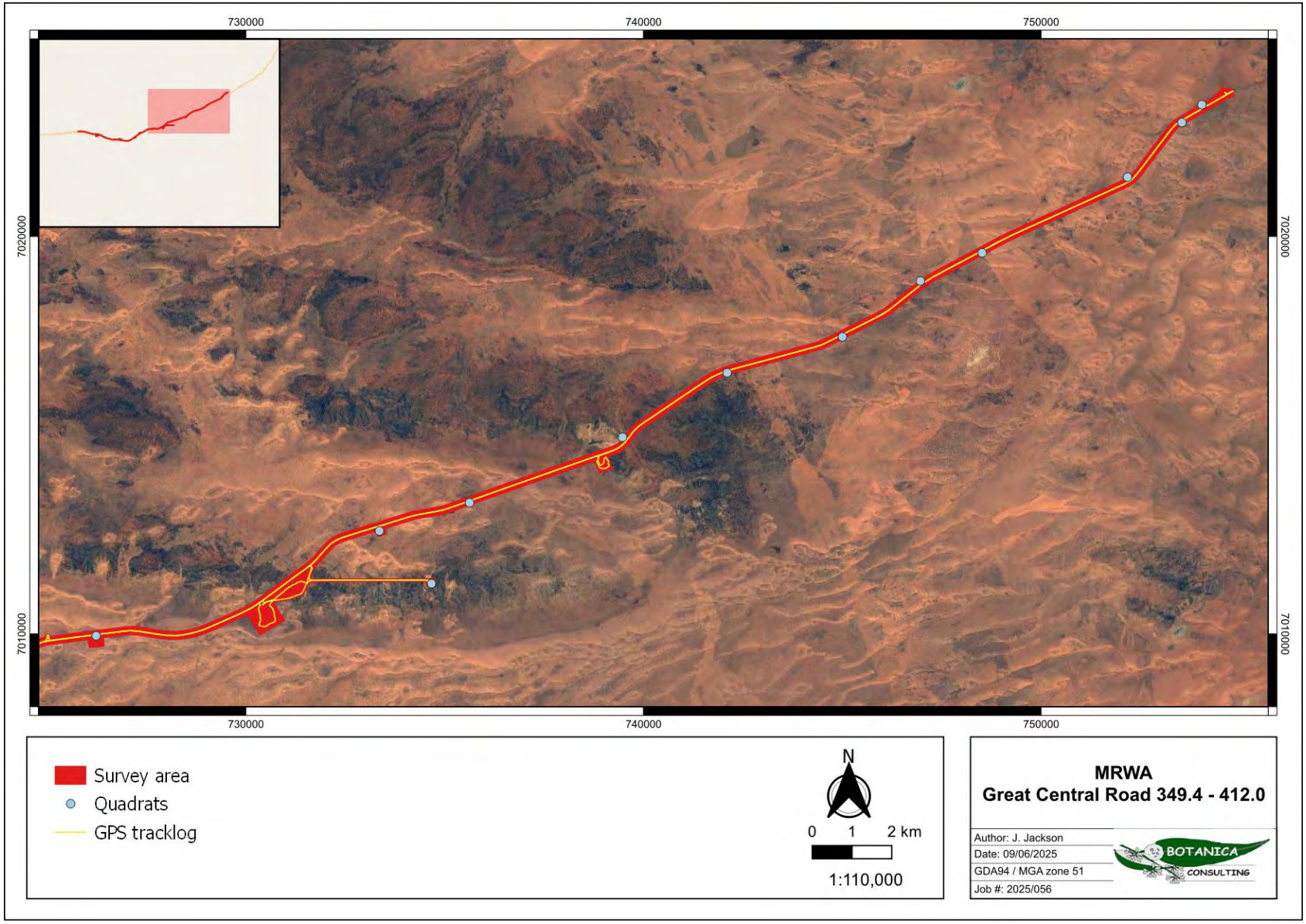


Figure 3-8: Quadrat locations, survey area boundary and GPS tracks traversed throughout the survey area (Map 8 of 8)

3.2.1 Vegetation Mapping

Prior to the commencement of field work, aerial photography was inspected and obvious differences in the vegetation assemblages were identified. The different vegetation types identified were then inspected during the field survey to assess their validity. A handheld GPS unit was used to record the coordinates of the boundaries between vegetation types.

At each sample point, the following information was recorded:

- GPS location;
- Photograph of vegetation;
- Dominant taxa for each stratum (including height and percentage cover of dominant taxa);
- All vascular taxa (including annual taxa);
- Landform classification;
- Vegetation condition rating;
- Collection and documentation of unknown plant specimens; and
- Collection of flora of conservation significance if encountered.

Vegetation types were classified in accordance with the NVIS Level V-Association classification.

3.2.2 Detailed Flora and Vegetation Survey

Ninety eight (98) quadrats were established within the survey area (Figure 3-7 to Figure 3-8 and Appendix D). According to the recommended quadrat size specified in the EPA Guidelines (2016a), 50m x 50m quadrats are recommended for the Great Victoria Desert Bioregion. The quadrats were established by inserting a survey marker pin into the NW corner and measuring the length of the resultant boundaries to verify the quadrats were 50 m x 50 m (square quadrats). The objective was to have at least three quadrats per vegetation type to capture the floristic variations within the survey area. Quadrats were not established within regrowth/ modified vegetation.

Following their establishment and boundary verification, the NW corner of each quadrat was recorded by GPS (Appendix D) and three photographs of the quadrat were taken from the NW corner (Appendix F). All vascular plants within the quadrat were recorded (Appendix B and Appendix E). This included recording of dominant taxa from the upper, middle and lower stratum, and sampling of all unknown taxa. Unknown taxa were identified using Botanica's own reference herbarium and relevant taxonomic keys or by a taxonomic consultant. Data on level of disturbance, presence of coarse fragments on surface, topographical position, elevation, aspect, percentage litter, percentage bare ground, percentage surface rock (bedrock and surface deposits), soil types (colour, profile, field

texture and surface type), and vegetation structure were collected from each quadrat (Appendix EAppendix E:). Methods of recording data from these quadrats largely follow those outlined in CSIRO's *Australian Soil and Land Survey Field Handbook* (McDonald *et al.,* 2024) and in accordance with EPA Guidelines (2016). Presence/absence data of taxa from sample sites were used to compile the representative vegetation types.

3.2.3 Targeted Flora Survey

A targeted search for Threatened and Priority flora was conducted, including assessing the location of any DBCA records of Priority flora within the survey area. Potential habitats for Threatened and Priority Flora were searched on foot by two Botanica staff members to identify and record the locations of Threatened and Priority flora. Any locations of Threatened and Priority flora were recorded using a hand-held GPS and a simple plant count (not differentiated between juvenile/mature plants, flowering or non-flowering plants) was conducted for each record.

Flora of conservation significance identified during the literature review and database searches as previously being recorded in the general area were assessed and ranked for their likelihood of occurrence within the survey area. The rankings and criteria used were:

- **Unlikely**: Area is outside of the currently documented distribution for the species/no suitable habitat (type, quality and extent) was identified as being present during the field/desktop study.
- **Possible**: Area is within the known distribution of the species in question and habitat of at least marginal quality was identified as being present during the field/desktop study, supported in some cases by recent records being documented from within or near the area.
- **Known to Occur**: The species in question was positively identified as being present during previous field surveys.

3.2.4 Flora Identification

Unknown specimens collected during the survey were identified with the aid of samples housed at the Botanica Herbarium and the Western Australian Herbarium.

3.3 Data Analysis Tools

Following field assessments, vegetation types and condition were mapped using the GIS program QGIS, and the hectare area/ percentage area of each vegetation type and condition within the survey area was calculated. Spatial maps illustrating the location of vegetation types and any significant flora/ vegetation and fauna were generated using QGIS.

3.3.1 PATN Analysis

The PATN software package was used to assess the similarities/ dissimilarities between quadrats based on presence/absence of species. Fifteen (15) annual taxa were recorded during the survey which were excluded from the analysis. Singleton taxa were also excluded from the analysis (39 taxa). A total of 103 taxa recorded within the quadrats were included in the analysis.

The analysis produced a quantitative estimate of the relationship between species composition of each quadrat. The classifications were based upon a Bray-Curtis association matrix using a flexible Unweighted Pair Group Arithmetic Mean (UPGMA) method (with a beta value of -0.1) which standardises the data enabling the analysis to be completed. Semi-strong hybrid (SSH) ordination of the quadrat is then undertaken to show spatial relationships between groups and to elucidate possible environmental correlates with the classification.

The analysis also produced a stress value which is a measure of the 'strength' of the analysis (*i.e*., how well the quadrats are grouped together into the appropriate floristic groups). The lower the stress value the greater the strength of the analysis with a value of less than 0.3 showing that the analysis appropriately grouped quadrats. A stress value greater than 0.3 suggests that the analysis was unable to group quadrats appropriately due to extraneous variables (i.e. other factors influencing differences in floristic groups other than species composition *e.g*., fire, clearing disturbance etc.).

3.3.2 EstimateS

EstimateS software was used to estimate species richness present using the Chao2 richness estimator. For any number of samples, the estimator uses the existing pattern of species accumulation to estimate the true number of species at a site. The estimators tend to under-estimate species number when sample size is small, hence the estimated number of true species can be seen to increase with sample size. This software was also used to compute Coleman rarefaction curves estimates which were used to calculate species accumulation curves.

3.4 Terrestrial Fauna Field Assessment

Botanica conducted a basic fauna survey of the survey area from the 2nd to the 5th May 2025 and on the 15th to the 17th July 2025. The survey area was traversed by two and/or three people on foot (Figure 3-7 to Figure 3-8).

Fauna habitat types were identified across the survey area based on broad major vegetation groups and associated landform. A handheld GPS unit was used to record the coordinates of the boundaries between fauna habitats and each habitat was photographed.

The main aim of the fauna habitat assessment was to determine the likelihood of a species of conservation significance utilising habitat within the survey area. The habitat information obtained was also used to aid in finalising the overall potential fauna list.

Available information on the habitat requirements of the species of conservation significance listed as possibly occurring in the area (determined from the desktop assessment) was researched. During the field survey, the habitats within the survey area were assessed and specific elements identified, if present, to determine the likelihood of listed Threatened and Priority species utilising habitat within the survey area.

Opportunistic observations of fauna species were made during all field survey work. This included the direct observation of the vertebrate fauna, or listening for bird song, or looking for any signs, this can include tracks, scats, diggings, foraging, nests or burrows.

Bird surveys were also carried out, with one Botanica team member walking within the survey area for up to 20 minutes at various times during the day. This would include visual and acoustic detection during these area searches.

Fauna of conservation significance identified during the literature review and database searches as previously being recorded in the general area were assessed and ranked for their likelihood of occurrence within the survey area. The rankings and criteria used were:

- **Would Not Occur:** There is no suitable habitat for the species in the survey area and/or there is no documented record of the species in the general area since records have been kept and/or the species is generally accepted as being locally/regionally extinct (supported by a lack of recent records).
- **Locally Extinct:** Populations no longer occur within a small part of the species natural range, in this case within 10 or 20 km of the survey area. Populations do however persist outside of this area.
- **Regionally Extinct:** Populations no longer occur in a large part of the species natural range, in this case within the goldfields region. Populations do however persist outside of this area.
- **Unlikely to Occur:** The survey area is outside of the currently documented distribution for the species in question, or no suitable habitat (type, quality and extent) was identified as being present during the field assessment. Individuals of some species may occur occasionally as vagrants/transients especially if suitable habitat is located nearby but the site itself would not support a population or part population of the species.
- **Possibly Occurs:** Survey area is within the known distribution of the species in question and habitat of at least marginal quality was identified as likely to be present during the field survey

and literature review, supported in some cases by recent records being documented in literature from within or near the survey area. In some cases, while a species may be classified as possibly being present at times, habitat may be marginal (e.g. poor quality, fragmented, limited in extent) and therefore the frequency of occurrence and/or population levels may be low.

- **Known to Occur:** The species in question has been positively identified as being present (for sedentary species) or as using the survey area as habitat for some other purpose (for non-sedentary/mobile species) during field surveys within or near the survey area. This information may have been obtained by direct observation of individuals or by way of secondary evidence (e.g. tracks, foraging debris, scats). In some cases, while a species may be classified as known to occur, habitat may be marginal (e.g. poor quality, fragmented, limited in extent) and therefore the frequency of occurrence and/or population levels may be low.

3.4.1 Acoustic Bat Recordings

Acoustic bat call recordings were undertaken using two Wildlife Acoustics SM2+ Bat Detectors. Six nights of recording was carried out during the May 2025 survey at four different locations, and six nights of recording was carried out during the July 2025 survey at two different locations.

The recordings were commenced at sunset and continued until sunrise the following day. Where possible, the bat detectors were located near water where bats were likely to be attracted (i.e., to forage for insects), however due to dry climatic conditions water was not always present. A brief description of each location is provided below in Table 3-2.

Table 3-2: Locations of bat detectors with a brief description of the surrounding habitat

Month	Bat detector #	Date set	# nights	Easting	Northing	Site description
May	19184	2/05/2025	1 night	739447	7014905	Area of small break-away
May	19198	2/05/2025	1 night	726236	7009940	Sand plain, Acacia open woodland
May	19198	3/05/2025	2 nights	627484	6948592	Clay loam plain, Acacia Forest woodland
May	19184	3/05/2025	2 nights	604501	6930928	Area of small break-away
July	19184	14/07/2025	3 nights	629526	6963477	Clay loam plain, Acacia open woodland
July	19198	14/07/2025	3 nights	656042	6995453	Tjukayirla roadhouse

The detector records ultrasonic echolocation signals produced by bats which are subsequently processed to determine the presence of species-specific calls. The calls were identified to species level by Bob Bullen (Bat Call WA Pty Ltd).

3.5 Personnel Involved

Table 3-3: Personnel involved with the flora, vegetation and fauna survey/ reporting

Staff Member	Position/ Qualifications	Experience	Tasks conducted during survey
[redacted]	Environmental Consultant/Botanist/ Director (Diploma of Horticulture)	>30 year's experience across WA, including flora and fauna surveys in the Goldfields, including the Eremaean province.	Project Management (Lead Botanist). Fauna survey-opportunistic fauna observations and fauna habitat assessments. Flora and vegetation survey- identifying flora species within quadrats and opportunistic flora observations. Identifying and recording vegetation types. Fauna survey-opportunistic fauna observations and fauna habitat assessments. Vegetation Mapping.
[redacted]	Environmental Consultant (BSc-Honours Environmental Management)	>20 year's experience across WA, including flora and fauna surveys with DBCA Goldfields Region for 12 years.	Flora and vegetation survey- identifying flora species within quadrats and opportunistic flora observations. Identifying and recording vegetation types. Fauna survey-opportunistic fauna observations and fauna habitat assessments. Assistance with vegetation mapping, preparation of report.
[redacted]	Senior Environmental Consultant (BSc Conservation Biology)	>15 year's experience across WA	Data analysis and assistance with reporting.
[redacted]	Senior Environmental Consultant (BSc Conservation Biology)	>20 year's experience across WA	Assistance with mapping, data analysis and reporting.
[redacted]	Zoologist (BSc Zoology)	30 year's experience across WA	Identifying fauna species potentially occurring within survey area. Fauna data analysis.
[redacted]	Environmental Consultant (Graduate)(BSc Environmental Management)	2 years experience across WA including the Birdlife Australia bird survey techniques course in 2022.	Assisted with Flora and vegetation surveys; Fauna survey-opportunistic fauna observations and fauna habitat assessments. Bird surveys.

3.6 Scientific Licences

Table 3-4: Scientific Licences of Botanica Staff coordinating the survey

Licensed Staff	Permit Number	Valid to
[redacted]	FB62000309-02 (licence to take flora for scientific purposes)	11/01/2027
	FB62000457(licence to take flora for scientific purposes)	04/08/2025

3.7 Survey Limitations and Constraints

It is important to note that flora/ vegetation and fauna surveys will entail limitations notwithstanding careful planning and design. Potential limitations are listed in Table 3-5.

Table 3-5: Limitations and constraints associated with the flora/ vegetation and fauna survey

Variable	Potential Impact on Survey	Details
Access problems	Minor constraint	The survey was conducted by driving and walking the survey area. The survey area was adjacent to the Great Central Road providing ease of access. The May survey work was supervised by Warburton Ngaanyatjarra Rangers, the July survey work was supervised by Warburton Ngaanyatjarra Rangers and the Naanganya-ku Heritage monitors. At some sites Botanica were not allowed access due to heritage concerns, however this was less than 1% of the survey area.
Competency/ Experience	Not a constraint	The Botanica personnel that conducted the survey were regarded as suitably qualified and experienced. **Coordinating Staff**: Jim Williams (Botanist) **Field Staff**: Jim Williams and Jennifer Jackson (Botanist) **Data Interpretation**: Jim Williams, Jennifer Jackson and Lauren Pick (Senior Environmental Consultant). Refer to Table 3-3 for more information.
Timing of survey, weather & season	Constraint	Fieldwork was conducted in May and July 2025. The May survey was done during the EPA's recommended timing (6-8 weeks post west season, March to June) for the Eremaean Province, the July survey was outside of this timing. However, rainfall preceding the survey was below average. Limited flowering material was available and few annual species were present during the survey.
Area disturbance	Not a constraint	The majority of the survey area was in very good condition and comprised of native vegetation. Disturbance in the area was a result of road siding of the Great Central Road, access tracks and existing gravel pits/ cleared areas.
Survey Effort/ Extent	Not a constraint	Survey intensity was appropriate for the size/significance of the area with a detailed flora survey and basic fauna survey completed to identify vegetation types/ fauna habitats and significant flora, fauna and vegetation. A targeted search to identify significant flora was conducted within potential habitats within the survey area.
Availability of contextual information at a regional and local scale	Not a constraint	Conservation significant flora database searches provided by the DBCA were used to identify any potential locations of Threatened/Priority flora species. BoM, DWER, DPIRD, DBCA and DCCEEW databases were reviewed to obtain appropriate regional desktop information on the biophysical environment of the local region. Botanica has conducted numerous surveys within the Eremaean Province and was also able to obtain information about the area from previous research conducted within the area. Results of previous assessments in the local area were reviewed to provide context on the local environment.
Data Analysis	Minor constraint	Botanica staff conducting the PATN statistical analyses are not statistical analysts and have basic statistics training. These analyses were used to provide basic information on the relationships between vegetation communities delineated in the field.

Variable	Potential Impact on Survey	Details
Completeness	Minor constraint	In the opinion of Botanica, the survey area was covered sufficiently in order to identify vegetation assemblages. The May survey was done during the EPA's recommended timing (6-8 weeks post wet season, March to June) for the Eremaean Province, the July survey was outside of this timing. The vegetation associations for this study were based on visual descriptions of locations in the field. The distribution of these vegetation associations outside the study area is not known, however vegetation associations identified were categorised via comparison to vegetation distributions throughout WA given on NVIS (DotEE, 2017).

4 RESULTS

4.1 Desktop Assessment

4.1.1 Flora

According to the results of the NatureMap search (DBCA, 2025d), a total of 338 flora taxa have previously been recorded within the desktop survey area. This included 291 dicotyledons, two ferns, one gymnosperm and 44 monocotyledons.

4.1.2 Introduced Flora

Results of a Dandjoo database search (DBCA, 2025e) identified one introduced taxa as having previously been recorded within a 40 km radius of the survey area (Table 4-1). This taxa is not listed as a Declared Pest under the BAM Act or as a Weed of National Significance (WoNS) by the Commonwealth DCCEEW.

Table 4-1: Introduced flora previously collected within the desktop survey area

Taxon	Common Name	Declared Pest	WoNS
Rumex vesicarius	Ruby Dock	N	N

4.1.3 Conservation Significant Flora

The results of the literature review, combined search of the Flora of Conservation Significance databases (DBCA, 2025a), NatureMap search (DBCA, 2025d) and Protected Matters Search (DCCEEW, 2025a) indicated that no Threatened Flora or Priority Flora species have previously recorded within the survey area.

As listed in Table 4-2 below, four Priority flora have been recorded within a 40 km radius of the survey area/ in the desktop survey area (map of flora records is provided in Figure 4-1).

Table 4-2: Likelihood of occurrence for Threatened and Priority flora within the survey area

Taxon	Conservation Status			Description (WAHERB, 1998-; DBCA, 2025a)	Likelihood of Occurrence
	EPBC Act	BC Act	DBCA Priority		
Abutilon sp. Warburton (A.S. George 8164)			1	Red sandy loam. Along creekline. Flowering time: September to October.	Possible
Calytrix warburtonensis			2	Rocky hills, breakaways. Flowering time: March, or September to October.	Possible, however there is only a small amount of area that fits this habitat.
Grevillea sp. Victoria Desert (R. Davis et al. RD 11611)			1	Dry red sand with <10% loose rock. Flowering time: October.	Possible
Melaleuca apostiba			3	Red sand in open low-lying areas around the edge of a basin	Possible, Maia (2023) recorded it approximately 5 km north of the survey

Taxon	Conservation Status			Description (WAHERB, 1998-; DBCA, 2025a)	Likelihood of Occurrence
	EPBC Act	BC Act	DBCA Priority		
				(Maia, 2023). Flowering time: June.	area. However there is only a small amount of area that fits this habitat.
Seringia exastia	CR			Pindan Heathland (ALA, 2025). Botanica have previously recorded it in disturbed areas and on sand plains (Botanica, 2022b, 2025). Flowering time April, May, June, July, August, September, October, November or December.	Possible.
Verticordia jamiesonii			3	Sandy clay soils. Lateritic breakaways. Flowering time: September to October.	Possible, however there is only a small amount of area that fits this habitat.

4.1.4 Conservation Significant Vegetation

The results of the literature review, search of the *Threatened and Priority Ecological Communities dataset* (DBCA-038) (DBCA, 2025c), and Protected Matters Search (DCCEEW, 2025a) indicated that no Threatened Ecological Communities (TEC) listed under the Commonwealth EPBC Act, or the Western Australian BC Act are known to occur within the survey area or within 40 km of the survey area. No DBCA listed Priority Ecological Communities (PEC) are known to occur within the survey area or within 40 km of the survey area.

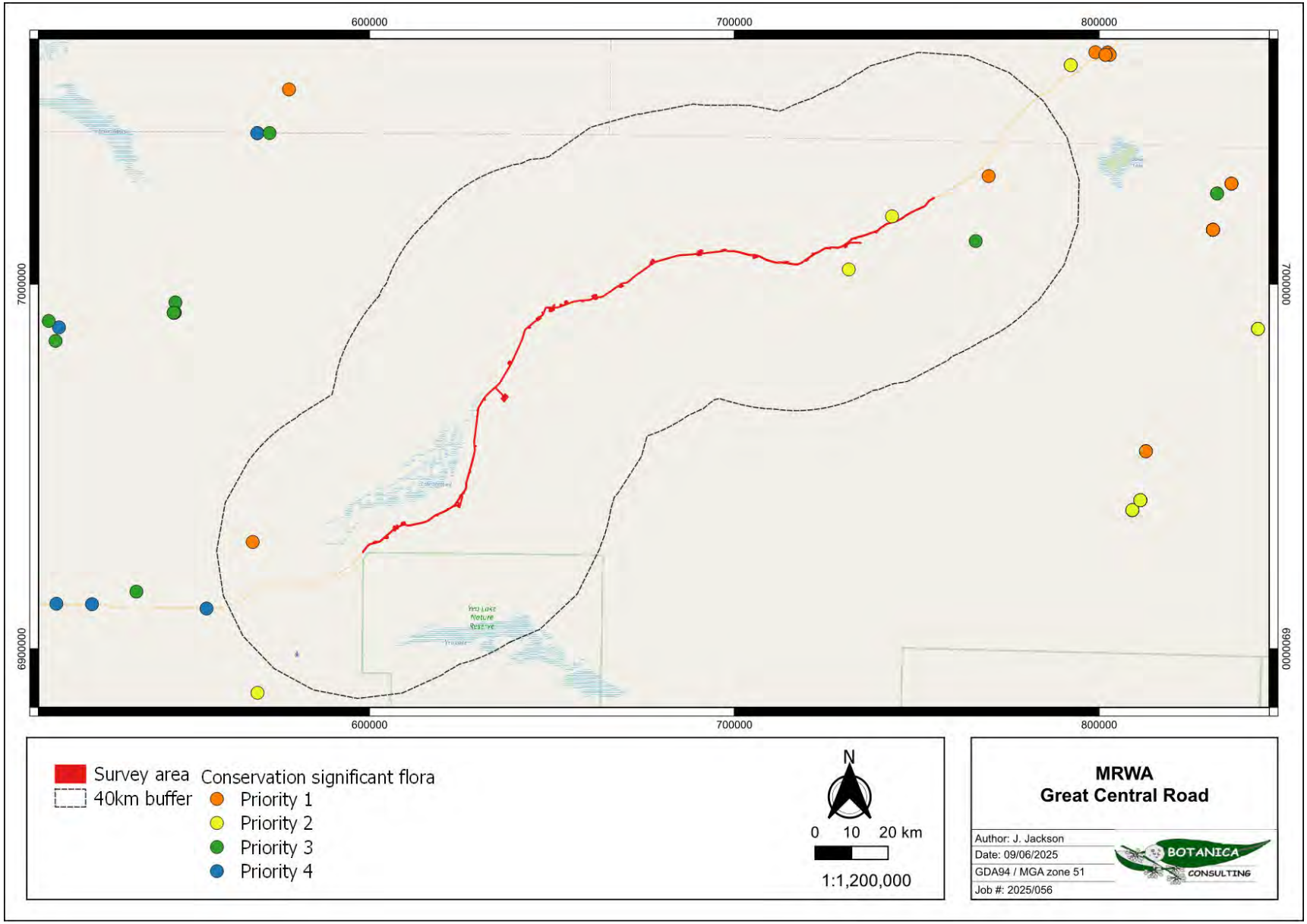


Figure 4-1: Conservation Significant flora within the survey area and desktop study area

4.1.5 Fauna

The NatureMap (DBCA, 2025d) search found that 20 mammals (including four bat species), 100 bird, 58 reptile, and three frog species have previously been recorded in the desktop survey area, some of which have the potential to occur in or utilise sections of the survey area at times. The desktop review also found that ten species of introduced animals could also frequent the area.

4.1.6 Conservation Significant Fauna

The desktop review identified 19 terrestrial vertebrate fauna species of conservation significance as previously being recorded within the desktop survey area (DBCA, 2025c) and/or the species or species habitat that may occur within 40 km of the survey area (DCCEEW, 2025). Of those, 11 are Threatened species, three are Priority-listed fauna, four are listed as migratory wetland birds and one mammal is listed as Extinct. Habitat and distribution data was used to determine the likelihood of occurrence within the survey area (Table 4-3).

Table 4-3: Likelihood of occurrence for fauna of conservation significance within the survey area

Taxon	Conservation Status			Habitat Description	Likelihood of Occurrence
	EPBC Act	BC Act	DBCA Priority		
Bird					
Aphelocephala leucopsis Southern Whiteface	VU	VU		Open woodlands and shrublands where there is an understorey of grasses or shrubs, or both. These areas are usually in habitats dominated by acacias or eucalypts on ranges, foothills and lowlands, and plains (DCCEEW, 2025b)	Possible, however no recent records within 40km.
Calidris acuminata Sharp-tailed Sandpiper	VU		MI	Intertidal mudflats, also freshwater swamps and saltwater lake (ALA, 2025).	Unlikely, may occur at Lake Throssell after large rainfall events.
Falco hypoleucos Grey Falcon	VU	VU	-	The species frequents timbered lowland plains, particularly acacia shrublands that are crossed by tree-lined water courses. The species has been observed hunting in treeless areas and frequents tussock grassland and open woodland, especially in winter (DCCEEW, 2025b).	Unlikely to Occur. A 2002 record is close to the survey area (Muggon Rockhole), The habitat is likely to be marginal/ unsuitable and is rarely recorded within the local area.
Leipoa ocellata Malleefowl	VU	VU	-	Scrublands and woodlands dominated by mallee and wattle species (DCCEEW, 2025b).	Possibly occurs, however getting to the northern extent of its range.
Pezoporus occidentalis Night Parrot	EN	CR	-	Broad habitat requirements include areas of old-growth spinifex (Triodia) for roosting and nesting, together with foraging habitats that are likely to include various native grasses and herbs, and may or may not contain shrubs or low trees. (DBCA, 2017).	Would Not Occur. No suitable habitat or previous records.
Polytelis alexandrae Princess Parrot	VU		P4	Sand dunes and sand flats in the arid zone of western and central Australia (DCCEEW, 2025b).	Possible, however no recent records within 40km.
Migratory Shorebirds (Four MI listed birds*)	MI	IA	-	Prefers muddy edges of shallow fresh or brackish wetlands, with inundated or emergent sedges, grass, saltmarsh or other low vegetation. This includes lagoons, swamps, lakes and pools near the coast, and dams, waterholes, soaks, bore drains and bore swamps, saltpans and hypersaline salt lakes inland (DCCEEW, 2025b).	Unlikely, may occur at Lake Throssell after large rainfall events.
Mammal					
Dasycercus blythi Brush-tailed Mulgara			P4	Spinifex habitat within the arid areas of central Australia (ALA, 2025). Spinifex Sandplain habitat as well as Mulga Woodlands with a spinifex understory (Western Wildlife, 2022).	Possible, the Western Wildlife survey (2022) identified it as present in their survey, near Lake Throssell.
Dasyurus geoffroii Chuditch	VU	VU		Once found across 70% of the Australian continent, is now confined to south-western corner of WA. Currently inhabits wet and dry sclerophyll forests, including contiguous Jarrah Forest and mallee (ALA, 2025).	Historic record (1962) close to the survey area (Muggon Rockhole), however is unlikely to occur, considered to be regionally extinct.

Taxon	Conservation Status			Habitat Description	Likelihood of Occurrence
	EPBC Act	BC Act	DBCA Priority		
Macroderma gigas Ghost Bat	VU	VU		Large complex caves and old mineshafts, roosts in caves or old mineshafts usually with several entrances (ALA, 2025).	Unlikely, no habitat in the survey area. No records within 40km.
Macrotis lagotis Bilby	VU	VU		Acacia and hummock grasslands. Once widespread across semi-arid and arid Australia, but are now reduced to scattered populations in arid parts (ALA, 2025).	Possible, however no recent records within 40km.
Onychogalea lunata Crescent nail-tail wallaby	EX	EX		A wide range of habitat in arid and semi-arid environments dominated by a variety of shrublands and woodlands. Considered extinct (ALA, 2025).	Unlikely, considered to be extinct.
Sminthopsis longicaudatus Long-tailed Dunnart			P4	Rocky areas with hummock grasses and shrubs (ALA, 2025).	Possible, the Western Wildlife survey (2022) identified it as present, however there is minimal suitable habitat for this species in the survey area.
Sminthopsis psammophila Sandhill Dunnart	EN	EN		Spinifex grasslands on sandy soils usually with an overstorey of woodland trees (ALA, 2025).	Unlikely, considered to occur further south in the Great Victoria Desert, no records within 40km.
Reptile					
Anilios margaretae Buff snouted blind snake			P2	Desert and grassland (ALA, 2025).	Possible, however this is a historic record (1962) which is at the northern end of Lake Throssell.
Liopholis kintorei Great Desert Skink	VU	VU		Great Sandy, Gibson, Great Victoria and Tanami Deserts in the eastern interior of WA, sites in WA are dominated by *Triodia basedowii* and *Triodia schinzii* with some *Eremophila leucophylla* shrubs (DCCEEW, 2025b).	Possible, the Western Wildlife survey (2022) identified it as present, however this was only from 'secondary signs'.

*Migratory Shorebirds: *Actitis hypoleucos* (Common sandpiper), *Calidris acuminata* (Sharp-tailed sandpiper), *Calidris melanotos* (Pectoral Sandpiper), *Charadrius veredus* (Oriental Plover).

4.2 Field Assessment

4.2.1 Vegetation Types

Nineteen vegetation types (not including cleared vegetation) were identified within the survey area. These vegetation types were located within nine landform types and comprised of six NVIS major vegetation groups. Vegetation was represented by a total of 28 families, 74 genera and 162 taxa. Fourteen annual species were observed during the two surveys.

The most dominant vegetation type was the '*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain' this occupied more than 25% of the survey area. Where vegetation types were only represented by a small area, only one, two or no quadrats were installed.

Fabaceae was the most dominant family with 31 species representing this family observed in the survey area. Dominant genera include *Acacia* (22 species), *Eremophila* (14 species) and *Maireana* (nine species).

The total species list is provided in Appendix B. Maps showing the vegetation types present in the survey area are provided in Appendix Kand a summary of vegetation types is presented in Table 4-4.

Table 4-4: Summary of vegetation types within the survey area

Landform	NVIS Major Vegetation Group	Vegetation Type	Vegetation Code	Area			
				SLK 206-250	SLK 250-349	SLK 349-412	Total
Clay-loam Plain	MVG 6 - Acacia forests and woodlands	*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain Quadrats: 7, 10, 11, 12, 15, 17, 18, 19, 28, 29, 30, 35, 37, 43, 54, 55, 56, 58, 59, 60, 61, 66, 67, 69, 72, 73, 74, 75, 78, 83, 85, 97, 98	CLP-AFW1	263.6 ha (4.5%)	1040.9 ha (17.6%)	196.9 ha (3.3%)	1501.4 ha (25.4%)
	MVG 13 - Acacia open woodlands	*Acacia caesaneura*, *A. aptaneura*, *A. incurvaneura* low open woodland over *Senna artemisioides* subsp. x *artemisioides*, *Senna artemisioides* subsp. *helmsii* mid shrubland over *Ptilotus obovatus* low shrubland Quadrats: none	CLP-AOW1		17.9 ha (0.3%)		17.9 ha (0.3%)
	MVG 8 – Casuarina woodlands	*Casuarina pauper* mid woodland over mid open shrubland of *Senna artemisioides* subsp. *filifolia* over low open grassland of *Eragrostis kennedyae* on clay loam plain Quadrats: 88	CLP-COW1		126.2 ha (2.1%)		126.2 ha (2.1%)
Sandy Clay-loam Plain	MVG 6 - Acacia forests and woodlands	*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sandy-clay loam plain Quadrats: 34, 46, 80, 93, 95	SCLP-AFW1	119.3 ha (2.0%)	305.0 ha (5.2%)		424.3 ha (7.2%)
Sand Plain	MVG 6 - Acacia forests and woodlands	*Acacia incurvaneura* and/or *A caesaneura* low open forest woodland over mid open shrubland of *Eremophila forrestii* subsp. *forrestii,* over *Triodia basedowii* hummock grassland on sand plain Quadrats: 20, 22, 32, 49	SP-AFW1	201.1 ha (3.4%)		50.6 ha (0.9%)	251.7 ha (4.3%)
	MVG 13 - Acacia open woodlands	*Acacia caesaneura*, *A incurvaneura* low open woodland over *Senna artemisioides* subsp. *filifolia*, *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain Quadrats: 1, 14, 16, 21, 23, 25, 27, 51, 71	SP-AOW1	99.7 ha (1.7%)	274.2 ha (4.6%)	692.9 ha (11.7%)	1056.5 ha (18%)
	MVG 13 - Acacia open woodlands	*Acacia pruinocarpa* low woodland over *Acacia ligulata* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain Quadrats: 50, 51, 57, 70, 94	SP-AOW2	6.2 ha (0.1%)	47.6 ha (0.8%)		53.8 ha (0.9%)
	MVG 11 - Eucalyptus Open Woodland	*Eucalyptus gongylocarpa* low woodland over *Acacia ligulata* mid shrubland over *Triodia basedowii* hummock grassland on sand plain Quadrats: 33, 39, 40, 45	SP-EW1	149.6 ha (2.5%)	49.1 ha (0.8%)		198.7 ha (3.4%)

Landform	NVIS Major Vegetation Group	Vegetation Type	Vegetation Code	Area			
				SLK 206-250	SLK 250-349	SLK 349-412	Total
	MVG 14 - Mallee woodlands and shrublands	*Eucalyptus youngiana* mid mallee woodland over *Acacia ligulata*, *Grevillea juncifolia* subsp. *juncifolia*, *Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain Quadrats: 4, 9, 13, 26, 36, 38, 42, 47, 48, 53, 63, 64, 65, 68, 91, 92, 96	SP-MW1	204.4 ha (3.5%)	617.2 ha (10.4%)	242.4 ha (4.1%)	1064.0 ha (18.0%)
	MVG 14 - Mallee woodlands and shrublands	*Eucalyptus concinna* open mallee woodland over *Eremophila latrobei* subsp. *glabra* mid open shrubland over *Triodia irritans* hummock grassland on sand plain Quadrats: 87, 89	SP-MW2		72.8 ha (1.2%)		72.8 ha (1.2%)
Sand Dune	MVG 11 - Eucalyptus Open Woodland	*Eucalyptus gongylocarpa* low woodland over *Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* and/or *T. schinzii* hummock grassland on sand dune Quadrats: 44, 84	SD-EW1	0.8 ha (<0.1%)	60.2 ha (1.0%)	0.4 ha (<0.1%)	61.4 ha (1.0%)
	MVG 13 - Acacia open woodlands	*Acacia ligulata* and/or *Grevillea eriostachya* low woodland over mid shrubland of *Aluta maisonneuvei* over low hummock grassland of *Triodia basedowii* on sand dune. Quadrats: 2, 3, 5, 6, 52, 62, 86	SD-AW1		17.0 ha (0.3%)	79.9 ha (1.4%)	96.9 ha (1.6%)
Rocky slope	MVG 6 - Acacia forests and woodlands	*Acacia mulganeura* mid open forest over *Senna artemisioides* subsp.x *sturtii* mid open shrubland over low shrubland of *Ptilotus obovatus* on rocky slope. Quadrats: 41	RS-AFW1	28.1 ha (0.5%)	24.5 ha (0.4%)	33.2 ha (0.6%)	85.8 ha (1.4%)
Rocky Plain	MVG 6 - Acacia forests and woodlands	*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda*. Quadrats: 8, 24	RP-AFW1		27.2 ha (0.5%)	27.3 ha (0.5%)	54.5 ha (0.9%)
	MVG 13 - Acacia open woodlands	*Acacia incurvaneura* and/or *A. aptaneura* low open woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda*. Quadrats: 31	RP-AOW1	10.8 ha (0.2%)			10.8 ha (0.2%)
Open Depression	MVG 22 – Chenopod shrublands	Mid chenopod shrubland of *Maireana pyramidata* over low chenopod shrubland of *Atriplex vesicaria* and/or *Maireana radiata* in open depression. Quadrats: 77, 79, 82	OD-CS1		102.4 ha (1.7%)		102.4 ha (1.7%)

Landform	NVIS Major Vegetation Group	Vegetation Type	Vegetation Code	Area			
				SLK 206-250	SLK 250-349	SLK 349-412	Total
	MVG 13 - Acacia open woodlands	*Acacia ayersiana* low open woodland over mid chenopod shrubland of *Maireana pyramidata* over low open tussock grassland of *Eragrostis eriopoda* in open depression. Quadrats: 90	OD-AOW1		67.3 ha (1.1%)		67.3 ha (1.1%)
Gypsum Dune	MVG 8 – Casuarina woodlands	*Casuarina pauper* mid woodland over mid open shrubland of *Acacia colletioides* over low open chenopod shrubland with *Sclerolaena diacantha* on gypsum dunes. Quadrats: 81	GD-CFW1		4.3 ha (0.1%)		4.3 ha (0.1%)
Drainage Depression	MVG 6 - Acacia forests and woodlands	*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low shrubland of *Ptilotus obovatus* in drainage depression Quadrats: none	DD-AFW1	2.4 ha (<0.1%)	6.1 ha (0.1%)		8.5 ha (0.1%)
N/A	N/A	Cleared areas	Cleared	139.2 ha (2.4%)	324.5 ha (5.5%)	184.2 ha (3.1%)	647.9 ha (10.9%)
Total				**1225.2 ha**	**3184.4 ha**	**1507.8 ha**	**5917.4 ha**

Clay-loam Plain: Acacia Open Forest and Woodland

4.2.1.1 *Acacia incurvaneura* and/or *A. aptaneura low* woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain (CLP-AFW1)

The total flora recorded within this vegetation type was represented by a total of 18 families, 47 genera and 89 taxa (Plate 1 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-5. According to the NVIS, this vegetation type is best represented by MVG 6 - Acacia forests and woodlands (DotEE, 2017).

Table 4-5: *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	30-70%	*Acacia incurvaneura* *Acacia aptaneura*
Shrub 1-3m	10-30%	*Eremophila latrobei* subsp. *latrobei*
Hummock grass <1m	30-70%	*Triodia basedowii*



Plate 1: *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain

Clay-loam Plain: Acacia Open Woodland

4.2.1.2 *Acacia caesaneura, A. aptaneura, A. incurvaneura* low open woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain (CLP-AOW1)

The total flora recorded within this vegetation type was represented by a total of 12 families, 15 genera and 49 taxa (Plate 2 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-6. According to the NVIS, this vegetation type is best represented by MVG 13 - Acacia open woodlands (DotEE, 2017).

Table 4-6: *Acacia caesaneura, A. aptaneura, A. incurvaneura* low open woodland over *Eremophila latrobei* subsp. latrobei mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	10-30%	*Acacia caesaneura* *Acacia aptaneura* *Acacia incurvaneura*
Shrub 1-3m	10-30%	*Eremophila latrobei* subsp. *latrobei*
Hummock grass <1m	30-70%	*Triodia basedowii*



Plate 2: *Acacia caesaneura, A. aptaneura, A. incurvaneura* low open woodland over *Eremophila latrobei* subsp. latrobei mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain

Clay-loam Plain: Casuarina Open Woodland

4.2.1.3 *Casuarina pauper* mid woodland over mid open shrubland of *Senna artemisioides* subsp. *filifolia* over low open grassland of *Eragrostis kennedyae* on clay loam plain (CLP-COW1)

The total flora recorded within this vegetation type was represented by a total of five families, ten genera and 11 taxa (Plate 3and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-7. According to the NVIS, this vegetation type is best represented by MVG 8 - Casuarina woodlands (DotEE, 2017).

Table 4-7: *Casuarina pauper* mid woodland over mid open shrubland of *Senna artemisioides* subsp. *filifolia* over low open grassland of *Eragrostis kennedyae* on clay loam plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 6-12 m	10-30%	*Casuarina pauper*
Shrub 1-3 m	10-30%	*Senna artemisioides* subsp. *filifolia*
Grass <0.5 m	30-70%	*Eragrostis kennedyae*



Plate 3: *Casuarina pauper* mid woodland over mid open shrubland of *Senna artemisioides* subsp. *filifolia* over low open grassland of *Eragrostis kennedyae* on clay loam plain

Sandy Clay-loam Plain: Acacia Open Forest and Woodland

4.2.1.4 *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sandy-clay loam plain (SCLP-AFW1)

The total flora recorded within this vegetation type was represented by a total of 11 families, 21 genera and 42 taxa (Plate 4 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-8. According to the NVIS, this vegetation type is best represented by MVG 6 - Acacia forests and woodlands (DotEE, 2017).

Table 4-8: *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sandy-clay loam plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	30-70%	*Acacia incurvaneura* *Acacia aptaneura*
Shrub 1-3m	10-30%	*Eremophila latrobei* subsp. *latrobei*
Hummock grass <1m	30-70%	*Triodia basedowii*



Plate 4: *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sandy-clay loam plain

Sand Plain: Acacia Open Forest and Woodland

4.2.1.5 *Acacia incurvaneura* and/or *A caesaneura* low open forest woodland over mid open shrubland of *Eremophila forrestii* subsp. *forrestii,* over *Triodia basedowii* hummock grassland on sand plain (SP-AFW1)

The total flora recorded within this vegetation type was represented by a total of 12 families, 24 genera and 37 taxa (Plate 5 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-9. According to the NVIS, this vegetation type is best represented by MVG 6 - Acacia forests and woodlands (DotEE, 2017).

Table 4-9: *Acacia incurvaneura* and/or *A caesaneura* low open forest woodland over mid open shrubland of *Eremophila forrestii* subsp. *forrestii,* over *Triodia basedowii* hummock grassland on sand plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	30-70%	*Acacia caesaneura* *Acacia incurvaneura*
Shrub 1-3 m	10-30%	*Eremophila forrestii* subsp. *forrestii*
Hummock Grass <0.5m	10-30%	*Triodia basedowii*



Plate 5: *Acacia incurvaneura* and/or *A caesaneura* low open forest woodland over mid open shrubland of *Eremophila forrestii* subsp. *forrestii,* over *Triodia basedowii* hummock grassland on sand plain

Sand Plain: Acacia Open Woodland

4.2.1.6 *Acacia caesaneura, A incurvaneura* low open woodland over *Senna artemisioides* subsp. *filifolia, Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain (SP-AOW1)

The total flora recorded within this vegetation type was represented by a total of 14 families, 27 genera and 49 taxa (Plate 6 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-10. According to the NVIS, this vegetation type is best represented by the MVG 13 - Acacia open woodlands (DotEE, 2017).

Table 4-10: *Acacia caesaneura, A incurvaneura* low open woodland over *Senna artemisioides* subsp. *filifolia, Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	<10%	*Acacia caesaneura* *Acacia incurvaneura*
Shrub 1-3m	10-30%	*Senna artemisioides* subsp. *filifolia* *Eremophila latrobei* subsp. *latrobei*
Hummock Grass 0.5-1m	30-70%	*Triodia basedowii*



Plate 6: *Acacia caesaneura, A incurvaneura* low open woodland over *Senna artemisioides* subsp. *filifolia, Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Sand Plain: Acacia Open Woodland

4.2.1.7 *Acacia pruinocarpa* low woodland over *Acacia ligulata* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain (SP-AOW2)

The total flora recorded within this vegetation type was represented by a total of 15 families, 27 genera and 49 taxa (Plate 7 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-11. According to the NVIS, this vegetation type is best represented by the MVG 13 - Acacia open woodlands (DotEE, 2017).

Table 4-11: *Acacia pruinocarpa* low woodland over *Acacia ligulata* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	<10%	*Acacia pruinocarpa*
Shrub 1-3 m	10-30%	*Acacia ligulata*
Hummock Grass 0.5-1 m	30-70%	*Triodia basedowii*



Plate 7: *Acacia pruinocarpa* low woodland over *Acacia ligulata* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Sand Plain: Eucalyptus Woodland

4.2.1.8 *Eucalyptus gongylocarpa* low woodland over *Acacia ligulata* mid shrubland over *Triodia basedowii* hummock grassland on sand plain (SP-EW1)

The total flora recorded within this vegetation type was represented by a total of 18 families, 29 genera and 43 taxa (Plate 8 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-12. According to the NVIS, this vegetation type is best represented by the MVG 11 - Eucalyptus Open Woodland (DotEE, 2017).

Table 4-12: Vegetation assemblage for *Eucalyptus gongylocarpa* low woodland over *Acacia ligulata* mid shrubland over *Triodia basedowii* hummock grassland on sand plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Trees <12m	10-30%	*Eucalyptus gongylocarpa*
Shrub 1-3m	10-30%	*Acacia ligulata*
Hummock Grass <0.5m	30-70%	*Triodia basedowii*



Plate 8: *Eucalyptus gongylocarpa* low woodland over *Acacia ligulata* mid shrubland over *Triodia basedowii* hummock grassland on sand plain

Sand Plain: Mallee Open Woodland

4.2.1.9 *Eucalyptus youngiana* mid mallee woodland over *Acacia ligulata, Grevillea juncifolia* subsp. *juncifolia, Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain (SP-MW1)

The total flora recorded within this vegetation type was represented by a total of 18 families, 41 genera and 67 taxa (Plate 9 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-13. According to the NVIS, this vegetation type is best represented by the MVG 14 - Mallee woodlands and shrublands (DotEE, 2017).

Table 4-13: Vegetation assemblage for *Eucalyptus youngiana* mid mallee woodland over *Acacia ligulata, Grevillea juncifolia* subsp. *juncifolia, Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Mallee <10 m	10-30%	*Eucalyptus youngiana*
Shrub 1-3 m	10-30%	*Acacia ligulata* *Grevillea juncifolia* subsp. *juncifolia* *Aluta maisonneuvei*
Hummock Grass 0.5-1 m	30-70%	*Triodia basedowii*



Plate 9: *Eucalyptus youngiana* mid mallee woodland over *Acacia ligulata, Grevillea juncifolia* subsp. *juncifolia, Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Sand Plain: Mallee Open Woodland

4.2.1.10 *Eucalyptus concinna* open mallee woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain (SP-MW2)

The total flora recorded within this vegetation type was represented by a total of eight families, 13 genera and 20 taxa (Plate 10 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-14. According to the NVIS, this vegetation type is best represented by the MVG 14 - Mallee woodlands and shrublands (DotEE, 2017).

Table 4-14: Vegetation assemblage for *Eucalyptus concinna* open mallee woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Life Form/Height Class	Canopy Cover	Dominant Taxa
Mallee <8 m	10-30%	*Eucalyptus concinna*
Shrub 1-3m	30-70%	*Eremophila latrobei* subsp. *latrobei*
Hummock Grass <0.5m	30-70%	*Triodia basedowii*



Plate 10: *Eucalyptus concinna* open mallee woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain

Sand Dune: Eucalyptus Woodland

4.2.1.11 *Eucalyptus gongylocarpa* low woodland over *Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* and/or *T. schinzii* hummock grassland on sand dune (SD-EW1)

The total flora recorded within this vegetation type was represented by a total of 13 families, 23 genera and 28 taxa (Plate 11and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-15. According to the NVIS, this vegetation type is best represented by the MVG 11 - Eucalyptus Open Woodland (DotEE, 2017).

Table 4-15: Vegetation assemblage for *Eucalyptus gongylocarpa* low woodland over *Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* and/or *T. schinzii* hummock grassland on sand dune

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 6-12 m	10-30%	*Eucalyptus gongylocarpa*
Shrub 1-3 m	10 -30%	*Aluta maisonneuvei*
Hummock Grass 0.5-1 m	30-70%	*Triodia basedowii* *Triodia schinzii*



Plate 11: *Eucalyptus gongylocarpa* low woodland over *Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* and/or *T. schinzii* hummock grassland on sand dune

Sand Dune: Acacia Open Woodland

4.2.1.12 *Acacia ligulata* and/or *Grevillea eriostachya* low woodland over mid shrubland of *Aluta maisonneuvei* over low hummock grassland of *Triodia basedowii* on sand dune. (SD-AW1)

The total flora recorded within this vegetation type was represented by a total of 20 families, 33 genera and 47 taxa (Plate 12 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-16. According to the NVIS, this vegetation type is best represented by the MVG 13 - Acacia Open Woodland (DotEE, 2017).

Table 4-16: Vegetation assemblage for *Acacia ligulata* and/or *Grevillea eriostachya* low woodland over mid shrubland of *Aluta maisonneuvei* over low hummock grassland of *Triodia basedowii* on sand dune

Life Form/Height Class	Canopy Cover	Dominant Taxa
Shrub 3-6 m	10-30%	*Acacia ligulata*
Shrub 1-3 m	10 -30%	*Aluta maisonneuvei*
Hummock Grass 0.5-1 m	30-70%	*Triodia basedowii* *Triodia schinzii*



Plate 12: *Acacia ligulata* and/or *Grevillea eriostachya* low woodland over mid shrubland of *Aluta maisonneuvei* over low hummock grassland of *Triodia basedowii* on sand dune

Gypsum Dune: Casuarina Woodland

4.2.1.13 *Casuarina pauper* mid woodland over mid open shrubland of *Acacia colletioides* over low open chenopod shrubland with *Sclerolaena diacantha* on gypsum dunes. (GD-CFW1)

The total flora recorded within this vegetation type was represented by a total of six families, seven genera and eight taxa (Plate 13 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-17. According to the NVIS, this vegetation type is best represented by MVG 8 - Casuarina woodlands (DotEE, 2017).

Table 4-17: *Casuarina pauper* mid woodland over mid open shrubland of *Acacia colletioides* over low open chenopod shrubland with *Sclerolaena diacantha* on gypsum dunes

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 6-12 m	10-30%	*Casuarina pauper*
Shrub 1-3m	10-30%	*Acacia colletioides*
Chenopod Shrubs <0.5 m	<10%	*Sclerolaena diacantha*



Plate 13: *Casuarina pauper* mid woodland over mid open shrubland of *Acacia colletioides* over low open chenopod shrubland with *Sclerolaena diacantha* on gypsum dunes

Rocky Slope: Acacia Open Forest Woodland

4.2.1.14 *Acacia mulganeura* mid open forest over *Senna artemisioides* subsp. *x sturtii* mid open shrubland over low shrubland of *Ptilotus obovatus* on rocky slope. (RS-AFW1)

The total flora recorded within this vegetation type was represented by a total of 10 families, 15 genera and 19 taxa (Plate 14 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-18. According to the NVIS, this vegetation type is best represented by MVG 6 - Acacia forests and woodlands (DotEE, 2017).

Table 4-18: *Acacia mulganeura* mid open forest over *Senna artemisioides* subsp. *x sturtii* mid open shrubland over low shrubland of *Ptilotus obovatus* on rocky slope.

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	30-70%	*Acacia mulganeura*
Shrubs 1-3 m	10-30%	*Senna artemisioides* subsp. *x sturtii*
Shrubs 0.5-1m	30-70%	*Ptilotus obovatus*



Plate 14: *Acacia mulganeura* mid open forest over *Senna artemisioides* subsp. *x sturtii* mid open shrubland over low shrubland of *Ptilotus obovatus* on rocky slope.

Rocky Plain: Acacia Open Forest and Woodland

4.2.1.15 *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda* on rocky plain. (RP-AFW1)

The total flora recorded within this vegetation type was represented by a total of 12 families, 18 genera and 31 taxa (Plate 15 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-19. According to the NVIS, this vegetation type is best represented by MVG 6 - Acacia forests and woodlands (DotEE, 2017).

Table 4-19: *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda* on rocky plain.

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	30-70%	*Acacia incurvaneura* *Acacia aptaneura*
Shrubs 1-3 m	10-30%	*Eremophila latrobei subsp. latrobei*
Tussock Grass <0.5 m	10-30%	*Eragrostis eriopoda*



Plate 15: *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda* on rocky plain.

Rocky Plain: Acacia Open Woodland

4.2.1.1 *Acacia incurvaneura* and/or *A. aptaneura* low open woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda* on rocky plain. (RP-AOW1)

The total flora recorded within this vegetation type was represented by a total of 12 families, 18 genera and 31 taxa (Plate 15 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-19. According to the NVIS, this vegetation type is best represented by MVG 6 - Acacia forests and woodlands (DotEE, 2017).

Table 4-20: *Acacia incurvaneura* and/or *A. aptaneura* low open woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda* on rocky plain.

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	10-30%	*Acacia incurvaneura* *Acacia aptaneura*
Shrubs 1-3 m	10-30%	*Eremophila latrobei subsp. latrobei*
Tussock Grass <0.5 m	10-30%	*Eragrostis eriopoda*



Plate 16: *Acacia incurvaneura* and/or *A. aptaneura* low open woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda* on rocky plain.

Open Depression: Chenopod Shrublands

4.2.1.2 Mid chenopod shrubland of *Maireana pyramidata* over low chenopod shrubland of *Atriplex vesicaria* and/or *Maireana radiata* in open depression. (OD-CS1)

The total flora recorded within this vegetation type was represented by a total of seven families, 16 genera and 27 taxa (Plate 17 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-21. According to the NVIS, this vegetation type is best represented by the MVG 22 - Chenopod Shrublands (DotEE, 2017).

Table 4-21: Vegetation assemblage for Mid chenopod shrubland of *Maireana pyramidata* over low chenopod shrubland of *Atriplex vesicaria* and/or *Maireana radiata* in open depression

Life Form/Height Class	Canopy Cover	Dominant Taxa
Chenopod Shrub 0.5-1 m	10 -30%	*Maireana pyramidata*
Chenopod Shrub <0.5 m	10-30%	*Atriplex vesicaria* *Maireana radiata*



Plate 17: Vegetation assemblage for Mid chenopod shrubland of *Maireana pyramidata* over low chenopod shrubland of *Atriplex vesicaria* and/or *Maireana radiata* in open depression

Open Depression: Acacia Open Woodland

4.2.1.3 *Acacia ayersiana* low open woodland over mid chenopod shrubland of *Maireana pyramidata* over low open tussock grassland of *Eragrostis eriopoda* in open depression. (OD-AOW1)

The total flora recorded within this vegetation type was represented by a total of seven families, 14 genera and 20 taxa (Plate 18 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-22. According to the NVIS, this vegetation type is best represented by the MVG 13 - Acacia Open Woodland (DotEE, 2017).

Table 4-22: Vegetation assemblage for *Acacia ayersiana* low open woodland over mid chenopod shrubland of *Maireana pyramidata* over low open tussock grassland of *Eragrostis eriopoda* in open depression.

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	10-30%	*Acacia ayersiana*
Chenopod Shrub 0.5-1 m	10 -30%	*Maireana pyramidata*
Tussock Grass <0.5 m	30-70%	*Eragrostis eriopoda*



Plate 18: *Acacia ayersiana* low open woodland over mid chenopod shrubland of *Maireana pyramidata* over low open tussock grassland of *Eragrostis eriopoda* in open depression.

Drainage Depression: Acacia Open Forest Woodland

4.2.1.4 *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low shrubland of *Ptilotus obovatus* in drainage depression. (DD-AFW1)

The total flora recorded within this vegetation type was represented by a total of 14 families, 22 genera and 31 taxa (Plate 19 and Appendix C). Dominant taxa from the vegetation type are shown in Table 4-23. According to the NVIS, this vegetation type is best represented by the MVG 13 - Acacia Open Woodland (DotEE, 2017).

Table 4-23: Vegetation assemblage for *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low shrubland of *Ptilotus obovatus* in drainage depression

Life Form/Height Class	Canopy Cover	Dominant Taxa
Tree 3-6 m	10-30%	*Acacia incurvaneura*
Shrub 1-3 m	10 -30%	*Eremophila latrobei* subsp. *latrobei*
Shrub <0.5 m	10 -30%	*Ptilotus obovatus*



Plate 19: *Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low shrubland of *Ptilotus obovatus* in drainage depression.

4.2.2 Floristic Composition

Statistical analysis was conducted on quadrat data obtained from the survey to determine the similarities or differences in floristic composition between vegetation associations. Appendix G provides the dendrogram, two-way table and ordination graph generated from the PATN statistical analysis. A list of the 98 quadrats and their respective vegetation associations are provided in Table 4-24 below. The PATN analysis produced a stress value of 0.2055.

Table 4-24: Vegetation types with corresponding quadrats

Floristic Group	Vegetation Type	Vegetation Code	Quadrat
I	*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on clay loam plain	CLP-AFW1	7, 10, 11, 12, 15, 17, 18, 19, 28, 29, 30, 35, 37, 43, 54, 55, 56, 58, 59, 60, 61, 66, 67, 69, 72, 73, 74, 75, 78, 83, 85, 97, 98
II	*Casuarina pauper* mid woodland over mid open shrubland of *Senna artemisioides* subsp. *filifolia* over low open grassland of *Eragrostis kennedyae* on clay loam plain	CLP-COW1	88
III	*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sandy-clay loam plain	SCLP-AFW1	34, 46, 80, 93, 95
IV	*Acacia incurvaneura* and/or *A caesaneura* low open forest woodland over mid open shrubland of *Eremophila forrestii* subsp. *forrestii,* over *Triodia basedowii* hummock grassland on sand plain	SP-AFW1	20, 22, 32, 49
V	*Acacia caesaneura*, *A incurvaneura* low open woodland over *Senna artemisioides* subsp. *filifolia*, *Eremophila latrobei* subsp. *latrobei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain	SP-AOW1	1, 14, 16, 21, 23, 25, 27, 51, 71
VI	*Acacia pruinocarpa* low woodland over *Acacia ligulata* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain	SP-AOW2	50, 51, 57, 70, 94
VII	*Eucalyptus gongylocarpa* low woodland over *Acacia ligulata* mid shrubland over *Triodia basedowii* hummock grassland on sand plain	SP-EW1	33, 39, 40, 45
VIII	*Eucalyptus youngiana* mid mallee woodland over *Acacia ligulata*, *Grevillea juncifolia* subsp. *juncifolia*, *Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* hummock grassland on sand plain	SP-MW1	4, 9, 13, 26, 36, 38, 42, 47, 48, 53, 63, 64, 65, 68, 91, 92, 96
IX	*Eucalyptus concinna* open mallee woodland over *Eremophila latrobei* subsp. *glabra* mid open shrubland over *Triodia irritans* hummock grassland on sand plain	SP-MW2	87, 89
X	*Eucalyptus gongylocarpa* low woodland over *Aluta maisonneuvei* mid open shrubland over *Triodia basedowii* and/or *T. schinzii* hummock grassland on sand dune	SD-EW1	44, 84

Floristic Group	Vegetation Type	Vegetation Code	Quadrat
XI	*Acacia ligulata* and/or *Grevillea eriostachya* low woodland over mid shrubland of *Aluta maisonneuvei* over low hummock grassland of *Triodia basedowii* on sand dune.	SD-AW1	2, 3, 5, 6, 52, 62, 86
XII	*Acacia mulganeura* mid open forest over *Senna artemisioides* subsp.x *sturtii* mid open shrubland over low shrubland of *Ptilotus obovatus* on rocky slope.	RS-AFW1	41
XIII	*Acacia incurvaneura* and/or *A. aptaneura* low woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda.*	RP-AFW1	8, 24
XIV	*Acacia incurvaneura* and/or *A. aptaneura* low open woodland over *Eremophila latrobei* subsp. *latrobei* mid open shrubland over low open tussock grassland of *Eragrostis eriopoda.*	RP-AOW1	31
XV	Mid chenopod shrubland of *Maireana pyramidata* over low chenopod shrubland of *Atriplex vesicaria* and/or *Maireana radiata* in open depression.	OD-CS1	77, 79, 82
XVI	*Acacia ayersiana* low open woodland over mid chenopod shrubland of *Maireana pyramidata* over low open tussock grassland of *Eragrostis eriopoda* in open depression.	OD-AOW1	90
XVII	*Casuarina pauper* mid woodland over mid open shrubland of *Acacia colletioides* over low open chenopod shrubland with *Sclerolaena diacantha* on gypsum dunes.	GD-CFW1	81

Ten species groups were identified in the analysis (species group A to J) as shown in the two-way table (Appendix G).

The first floristic group comprised of 18 quadrats and was characterised by species groups F and E (see two-way table provided in Appendix G) with an average species richness of 12 taxa per quadrat (ranged from seven to 18 taxa per quadrat).

The second floristic group comprised of ten quadrats. This floristic group was characterised by species groups D and E (Appendix G). This floristic group had a species richness of 12 taxa per quadrat (ranged from seven to 15 taxa per quadrat).

The third floristic group comprised of nine quadrats. This floristic group was characterised by species groups F and H (Appendix G). This floristic group had a species richness of 12 taxa per quadrat (ranged from eight to 16 taxa per quadrat).

The fourth floristic group comprised of two quadrats (Q33, Q34). This floristic group was characterised by species groups F and J. This floristic group had a species richness of 14 taxa per quadrat (only two quadrats both with a species richness of 14).

The fifth floristic group comprised of four quadrats. This floristic group was characterised by species group H. This floristic group had a species richness of 10 taxa per quadrat (ranged from eight to 13 taxa per quadrat).

The sixth floristic group comprised of 18 quadrats. This floristic group was characterised by species group H. This floristic group had a species richness of seven taxa per quadrat (ranged from seven to 10 taxa per quadrat).

The seventh floristic group comprised of 26 quadrats. This floristic group was characterised by species group H. This floristic group had a species richness of 12 taxa per quadrat (ranged from seven to 18 taxa per quadrat).

The eighth floristic group comprised of four quadrats. This floristic group was characterised by species group H. This floristic group had a species richness of seven taxa per quadrat (ranged from five to nine taxa per quadrat).

The ninth floristic group comprised of five quadrats. This floristic group was characterised by species group A. This floristic group had a species richness of 12 taxa per quadrat (ranged from eight to 16 taxa per quadrat).

The tenth floristic group comprised of two quadrats. This floristic group was characterised by species group B. This floristic group had a species richness of six taxa per quadrat (ranged from five to seven taxa per quadrat).

Results of the PATN analysis mostly supported vegetation delineations made in the field.

4.2.2.1 Species Richness and Accumulation Estimates

The Chao 2 richness estimator provided an estimated species richness of 170 species in 120 sample sites (quadrats). Species richness recorded for the 98 quadrats surveyed was 163 species. A species accumulation curve was created to display the rate of species accumulation. The R^2 value (0.9859) suggests that the data “fits” the species accumulation curve shown in Figure 4-2. Species accumulation ranged from nine to six species per quadrat from 1-5 sample sites, five species per quadrat between six to seven sample sites, four species per quadrat between eight to eleven sample sites, three species per quadrat between 12 to 17 and two species per quadrat between 18 to 30 sample sites sample sites. Beyond 31 sample sites, estimated species accumulation reduced to one per quadrat and to zero from 86 sample sites. Botanica has determined that according to this data a sufficient number of quadrats were established in the survey area to adequately assess the floristic composition of the area.

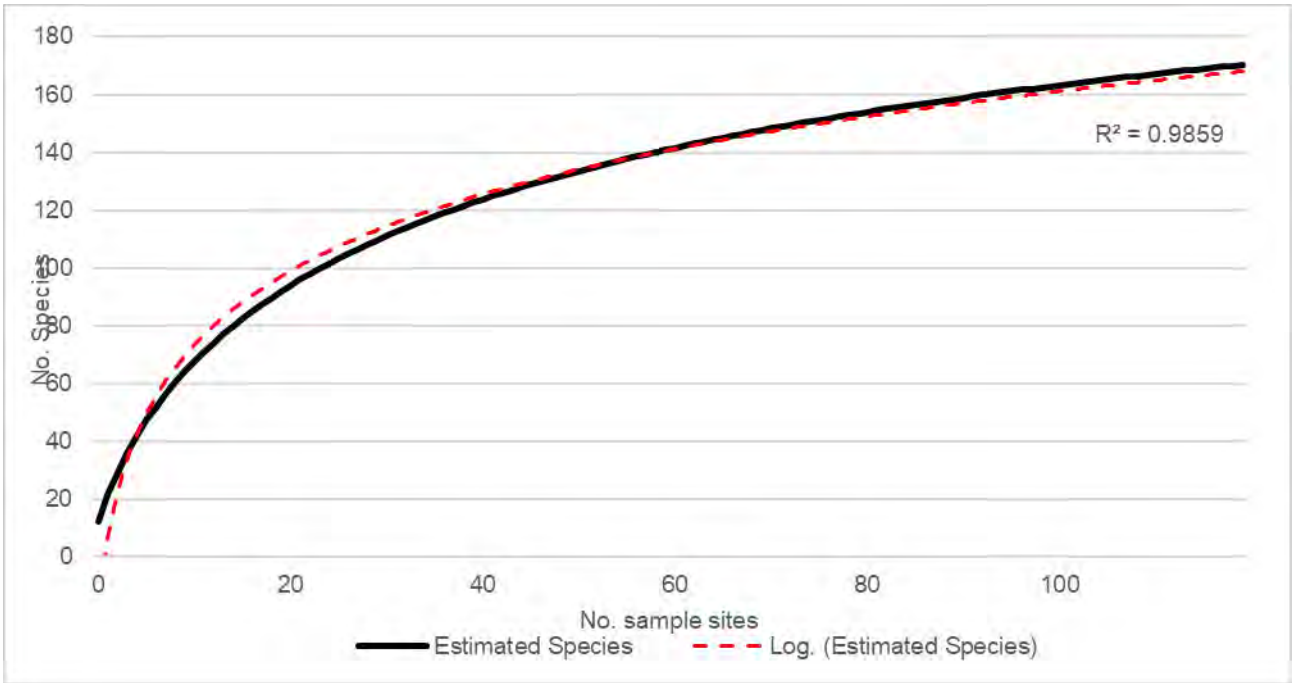


Figure 4-2: Species accumulation curve

4.2.3 Significant Flora

According to the EPA *Environmental Factor Guideline for Flora and Vegetation* (EPA, 2016b) significant flora includes:

- flora being identified as Threatened or Priority species;
- locally endemic flora or flora associated with a restricted habitat type (e.g. surface water or groundwater dependent ecosystems);
- new species or anomalous features that indicate a potential new species;
- flora representative of the range of a species (particularly, at the extremes of range, recently discovered range extensions, or isolated outliers of the main range);
- unusual species, including restricted subspecies, varieties or naturally occurring hybrids; and
- flora with relictual status, being representative of taxonomic groups that no longer occur widely in the broader landscape.

One Threatened Flora taxa listed under the Commonwealth EPBC Act was identified within the survey area (Table 4-25, Figure 4-3). *Seringia exastia* is currently listed as Threatened (Critically Endangered), and it was recently delisted from Threatened status in WA under the BC Act. The listing of this taxon as Threatened was supported by knowledge at the time of listing, which indicated that this taxon was discrete from all other Seringia taxa on morphological grounds and was known from a single population within the Port of Broome. Further taxonomic work determined that *Seringia exastia* is conspecific with (the same as) *Seringia elliptica*, which is widespread across northern and central WA, Northern Territory and extending into South Australia (Binks *et al*., 2020). Consequently,

Seringia elliptica and *Seringia exastia* were synonymised under the oldest valid name, being *Seringia exastia*. The newly circumscribed *Seringia exastia* now represents a common, widespread species that would not meet the criteria for conservation significance and should be delisted (Binks *et al.* 2020). It is expected that this taxon will be delisted on a Commonwealth level in the near future given its delisting in WA and is now considered a common and widespread species, but it is unclear when this will occur.

Fifty-six (56) populations were observed in the survey area, totalling approximately 29,500 plants. As recorded in other Botanica surveys on the Great Central Road (Botanica, 2022b, 2025), it was mostly found growing in disturbed areas and on sand plains with Acacia woodlands. Population coordinates and approximate numbers are provided in Appendix N. Populations of this taxon were not tagged, and/or boundaries mapped as suggested to be done according to MRWA survey brief requirements, due to this being a common and widespread flora that should be delisted at the Commonwealth level.

Table 4-25: EPBC listed conservation significant flora recorded during the survey

Taxon	Description (WA Herbarium, 1998-)	Distribution (WA Herbarium, 1998-)	Image
Seringia exastia (CR EPBC Act) Not listed in WA.	Shrub, with hairy stems. Purple flowers. Flowering time April, May, June, July, August, September, October, November or December.		

No WA-listed Threatened or Priority Flora were identified within the survey area. Of the four Priority Flora taxa identified in the desktop assessment as having previously been recorded within a 40km radius of the survey area, all four were identified as 'possible' to occur within the survey area based on their broad habitat descriptions/ soil types. Based on the results of the field survey, all Priority Flora were considered as unlikely to occur, as described in Table 4-26.

Table 4-26: Post-survey likelihood of occurrence table (LOO)

Taxon	Reason for LOO
Abutilon sp. Warburton (A.S. George 8164) (P1)	Pre-survey LOO: Possible Post-survey LOO: Unlikely to occur. Nothing resembling this Malvaceae shrub was observed during the survey. There is one historical record from 1966 within the desktop survey area, 16 km to the east of SLK 412, no other populations are known within in WA (WA Herbarium 1998-). The habitat description of 'Red sandy loam' is very broad, and 'along creekline': there were only several small creeklines in the survey area.
Calytrix warburtonensis (P2)	Pre-survey LOO: Possible Post-survey LOO: Unlikely to occur. Preferred habitat based on previous field observations of this taxon includes rocky hills and breakaways. Two previous historical populations are within the desktop survey area, close to the eastern end of the survey area. Distances are not provided here as they are records from 1982 and are unlikely to be accurate. Some small areas of breakaway were observed in the survey area, these were searched and nothing resembling this Myrtaceae shrub was observed during the survey.
Grevillea sp. Victoria Desert (R. Davis et al. RD 11611) (P1)	Pre-survey LOO: Possible Post-survey LOO: Unlikely to occur. Nothing resembling this Proteaceae shrub was observed during the survey. There is one record within the desktop survey area, 30 km west of SLK 250, one other population is known within in WA more than 400 km to the southeast (WA Herbarium 1998-). The habitat description of 'dry red sand with <10% loose rock' is very broad.
Melaleuca apostiba (P3)	Pre-survey LOO: Possible Post-survey LOO: Unlikely to occur. Maia (2023) recorded it approximately 5 km north of the survey area. However there is only a small amount of area that fits this habitat in the survey area, and this was any area adjacent to Lake Throssel. Nothing resembling this Myrtaceae shrub was observed during the survey.
Verticordia jamiesonii (P3)	Pre-survey LOO: Possible Post-survey LOO: Unlikely to occur. Preferred habitat based on previous field observations of this taxon includes sandy clay soils and lateritic breakaways. One previous population is within the desktop survey area, 16 km southeast of SLK 412. Some small areas of breakaway were observed in the survey area, these were searched and nothing resembling this Myrtaceae shrub was observed during the survey.

No other significant flora (as described above) were identified within the survey area.

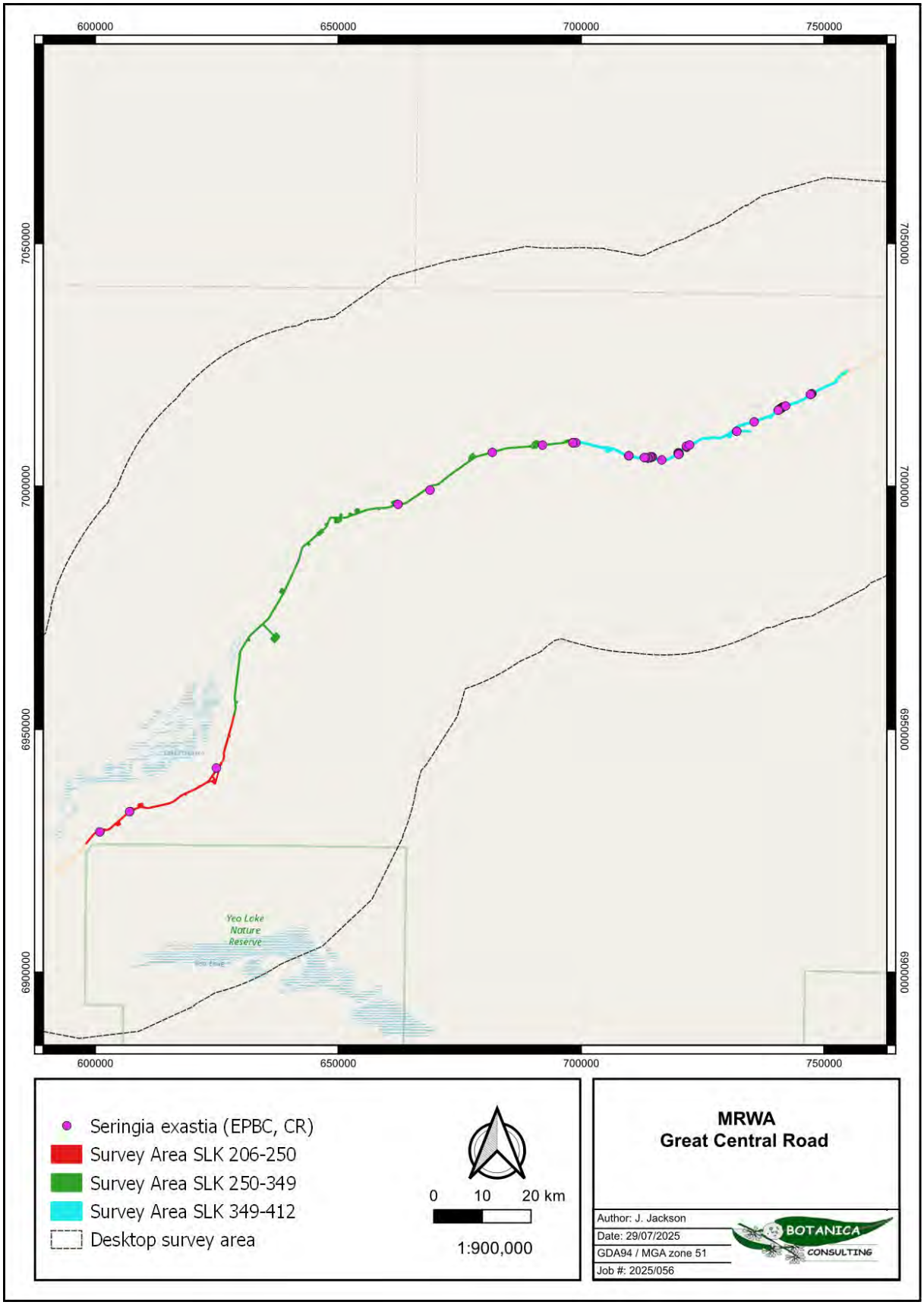


Figure 4-3: Locations of the EPBC-listed *Seringia exastia* observed in the survey area

4.2.4 Significant Vegetation

According to the EPA *Environmental Factor Guideline for Flora and Vegetation* (EPA, 2016b) significant vegetation includes:

- vegetation being identified as Threatened or Priority Ecological Communities;
- vegetation with restricted distribution;
- vegetation subject to a high degree of historical impact from threatening processes;
- vegetation which provides a role as a refuge; and
- vegetation providing an important function required to maintain ecological integrity of a significant ecosystem.

No TEC or PEC, restricted vegetation, highly disturbed vegetation, vegetation providing important refuge or significant ecological function was identified within the survey area.

The desktop reviewed showed that No Threatened Ecological Communities (TEC) listed under the Commonwealth EPBC Act, or the Western Australian BC Act are known to occur within the survey area or within 40 km of the survey area. No DBCA listed Priority Ecological Communities (PEC) are known to occur within the survey area or within 40 km of the survey area. The nearest PEC is more than 200 km south of the survey area.

4.2.5 Vegetation Condition

Based on the vegetation condition rating scale obtained from the EPA (2016a) provided in Appendix C, vegetation ranged from ‘completely degraded’ to ‘excellent’ condition with the majority of vegetation in ‘very good’ condition (Table 4-27). Disturbance in the area was a result of road siding of the Great Central Road, access tracks, camping areas (formal and informal) and existing clearing for gravel pits/materials storage. Map of the vegetation condition across the survey area is provided in Appendix L.

There was an area in the SLK 250.4 - 349.4 survey area that rated as excellent and was considered near pristine.

Table 4-27: Vegetation condition rating within the survey area

Condition Rating	Description (EPA, 2016a)	Area			
		SLK 206-250	SLK 250-349	SLK 349-412	Total
Excellent	Pristine or nearly so, no obvious signs of damage caused by human activities since European settlement.	-	258.3 ha (4.4%)	-	258.3 ha (4.4%)
Very Good	Some relatively slight signs of damage caused by human activities since European settlement. For example, some signs of damage to tree trunks caused by repeated fire, the presence of some relatively non-aggressive weeds, or occasional vehicle tracks.	1085.8 ha (18.3%)	2381.8 ha (40.3%)	1285.8 ha (21.7%)	4731.5 ha (80.3%)
Good	More obvious signs of damage caused by human activity since European settlement, including some obvious impact on the vegetation structure such as that caused by low levels of grazing or slightly aggressive weeds.	-	246.4 ha (4.2%)	37.4 ha (0.6%)	283.8 ha (4.8%)
Degraded	Severely impacted by grazing, very frequent fires, clearing or a combination of these activities. Scope for some regeneration but not to a state approaching good condition without intensive management. Usually with a number of weed species present including very aggressive species.	-	10.2 ha (0.2%)	-	10.2 ha (0.2%)
Completely degraded	Areas that are completely or almost completely without native species in the structure of their vegetation; i.e., areas that are cleared or 'parkland cleared' with their flora comprising weed or crop species with isolated native trees or shrubs.	139.4 ha (2.4%)	287.7 ha (4.9%)	184.6 ha (3.1%)	611.7 ha (10.3%)
	TOTAL	**1225.2 ha**	**3184.4 ha**	**1507.8 ha**	**5917.4 ha**

4.2.6 Introduced Flora

Two introduced flora (weed) species were identified within the survey area as listed in Table 4-28. These were only observed growing in the SLK 206.25-250.4 and the SLK 250.4-349.4 survey areas. No weeds were seen in the SLK 349.4-412 survey area. These taxa are not listed as a Declared Pest under the BAM Act or as a WoNS by DCCEEW. A map showing the location of introduced flora species identified within the survey area is provided in Figure 4-4.

Table 4-28: Introduced flora species identified within the survey area

Scientific Name	Common Name	Image
Cenchrus ciliaris (Buffel grass) *Citrullus amarus* (Citron Melon)		 Photo shows both Buffel Grass and Citron Melon growing together in the survey area

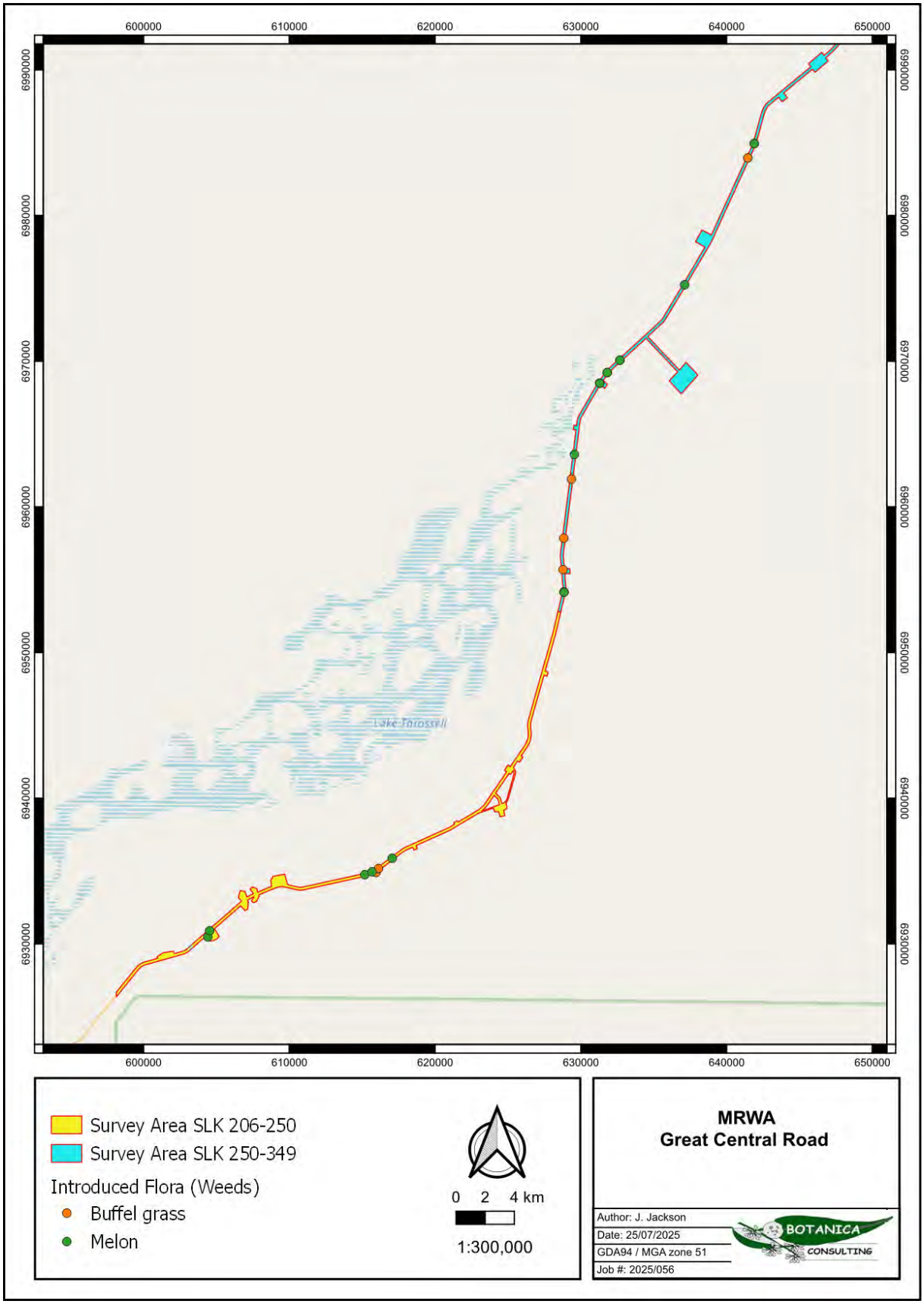


Figure 4-4: Introduced flora identified within the survey area

4.2.7 Fauna Habitat

Eight broad scale terrestrial fauna habitats (not including cleared vegetation) were identified within the survey area. The most widespread fauna habitat was the '*Acacia* woodland over *Eremophila* mid open shrubland with hummock grass on clay loam plain' occupying 33% of the total survey area. The extent of the identified fauna habitat and a summary description is provided in Table 4-29 below. Maps showing fauna habitats is provided in Appendix M.

Table 4-29: Main terrestrial fauna habitats within the survey area

Fauna Habitat	Description	Representative Fauna Attributes	Example Image	Area			
				SLK 206-250	SLK 250-349	SLK 349-412	Total
FH-01 Clay-loam Plain, Acacia woodlands	*Acacia* woodland over *Eremophila/ Senna* mid open shrubland with hummock grass on clay loam plain	• Ground moderately suited to burrowing species. • Low diversity vegetation strata supporting low avifauna assemblage. • Moderate vegetation density and low leaf litter. • Hummock grass provide refuge for small fauna.		384.4 ha (6.5%)	1365.7 ha (23.1%)	196.8 ha (3.3%)	1946.9 ha (32.9%)
FH-02 Clay-loam Plain and/or Gypsum Dune, Casuarina woodlands	*Casuarina* woodland over *Acacia* mid open shrubland with tussock grass on clay loam plain and/or gypsum dune	• Ground not suited to burrowing species. • Low diversity vegetation strata supporting low avifauna assemblage. • Low vegetation density and low leaf litter.			130.0 ha (2.2%)		130.0 ha (2.2%)

Fauna Habitat	Description	Representative Fauna Attributes	Example Image	Area			
				SLK 206-250	SLK 250-349	SLK 349-412	Total
FH-03 Sand Plain, Acacia woodlands	*Acacia* woodland over *Eremophila* mid open shrubland with hummock grassland on sand plain	• Ground well suited to burrowing species. • Low diversity vegetation strata supporting low avifauna assemblage. • Low to moderate vegetation density and low leaf litter. • Hummock grass provide refuge for small fauna.		306.4 ha (5.2%)	326.9 ha (5.5%)	744.0 ha (12.6%)	1377.3 ha (23.3%)
FH-04 Sand Plain, Tall Eucalypt open woodland	*Eucalyptus gonglyocarpa* (Marble gum) woodland over *Eremophila* mid open shrubland with hummock grassland on sand plain	• Ground well suited to burrowing species. • Moderate diversity vegetation strata supporting moderate avifauna assemblage. • Tall Eucalypts may provide hollows for nesting avifauna. • Moderate vegetation density and leaf litter. • Hummock grass provide refuge for small fauna.		149.3 ha (2.5%)	48.9 ha (0.8%)		198.2 ha (3.3%)

Fauna Habitat	Description	Representative Fauna Attributes	Example Image	Area			
				SLK 206-250	SLK 250-349	SLK 349-412	Total
FH-05 Sand Plain, Eucalyptus mallee woodlands	*Eucalyptus* mallee woodland over *Acacia/ Eremophila* mid open shrubland with hummock grassland on sand plain	• Ground well suited to burrowing species. • Flowering mallees provide good source of nectar. • Low diversity vegetation strata supporting low avifauna assemblage. • Moderate vegetation density and leaf litter. • Hummock grass provide refuge for small fauna.		204.8 ha (3.5%)	691.9 ha (11.7%)	242.9 ha (4.1%)	1139.6 ha (19.3%)
FH-06 Sand Dune, Eucalyptus and/or Acacia woodland/ mallee woodland)	*Eucalyptus* and/or *Acacia* woodland/ mallee woodland over *Aluta* and/or *Acacia* mid open shrubland with *Triodia* hummock grassland on sand dune	• Ground well suited to burrowing species. • Low diversity vegetation strata supporting moderate avifauna assemblage. • Moderate vegetation density and low leaf litter. • The most fauna activity (tracks) was observed on sand dunes during the surveys.		0.8 ha (<0.1%)	70.9 ha (1.2%)	79.9 ha (1.4%)	151.6 ha (2.6%)

Fauna Habitat	Description	Representative Fauna Attributes	Example Image	Area			
				SLK 206-250	SLK 250-349	SLK 349-412	Total
FH-07 Rocky Slope and/or Rocky Plain, Acacia woodlands	*Acacia* woodland over *Eremophila /Senna* mid open shrubland with tussock grassland on rocky substrate	• Ground not suited to burrowing species. • Low diversity vegetation strata supporting moderate avifauna assemblage. • Moderate vegetation density and leaf litter. • Some rocks may provide habitat or refuge for small reptiles.		38.7 ha (0.7%)	52.0 ha (0.9%)	60.3 ha (1.0%)	151.0 ha (2.6%)
FH-08 Open Depression or Drainage Depression, Open Acacia woodlands / mid Chenopod shrublands over Chenopod shrubs	Open / Closed *Acacia* woodland / mid Chenopod shrubland over Chenopod low open shrubland in an open depression or drainage depression	• Ground not suited to burrowing species. • Low diversity vegetation strata supporting moderate avifauna assemblage. • Moderate vegetation density and leaf litter. • Chenopod shrubs may be a source of water for some fauna.		2.3 ha (<0.1%)	176.0 ha (3.0%)		178.3 ha (3.0%)
Cleared	Cleared areas	N/A		138.5 ha (2.3%)	322.1 ha (5.4%)	183.9 ha (3.1%)	644.5 ha (10.9%)
			TOTAL	**1225.2**	**3184.4**	**1507.8**	**5917.4**

4.2.8 Fauna

Table 4-30 summarises the number of fauna species potentially occurring within or utilising at times the survey area, based on results from the literature review and observations made during the field assessment. A complete list of fauna possibly inhabiting or frequenting the survey area is located in Appendix H.

As previously indicated, not all species listed as potentially occurring within the wider area in existing databases and publications (*i.e.*, EPBC Act Threatened fauna and migratory species lists, DBCA's NatureMap database, DBCA's Threatened/ Priority Fauna database search, various reports and publications) are shown in the expected vertebrate listing in Appendix H.

Some species have been excluded from this list based largely on the lack of suitable habitat at the survey area and in the general area or known local extinction even if suitable habitat is present. Despite the omission of some species it should be noted that the list provided is still very likely an over estimation of the fauna species utilising the survey area (either on a regular or infrequent basis) as a result of the precautionary approach adopted for the assessment. At any one time only a subset of the listed potential species is likely to be present within the bounds of the survey area.

Table 4-30: Summary of potential vertebrate fauna species

Group	Total number of Potential species	Potential number of Threatened* species	Potential number of Migratory species	Potential number of Priority species	Number of species recorded during Field Survey
Amphibians	11	0	0	0	0
Reptiles	111	1	0	1	3
Birds	103	3	0	0	30
Non-Volant Mammals	24(10)	1	0	2	8(5)
Volant Mammals (Bats)	10	0	0	1	4
Total	259(10)	5	0	4	45

Superscript: number of introduced species included in the total. Note: Where a species' State and Federal conservation status is different, the highest category is used. *Threatened also includes OS (Other Specially Protected species).

4.2.9 Fauna Recorded During the Survey

Table 4-31 provides a list of opportunistic observations of fauna species that were made during the field survey (May and July) with a total of 41 fauna species observed (not including bats).

During the survey it was noted that sand dune areas were the most active in terms of small mammal and reptile tracks observed.

Table 4-31: Fauna species observed during the field survey

Taxon	Common Name	Observation
Birds		
Acanthagenys rufogularis	Spiny-cheeked Honeyeater	Sighted
Aegotheles cristatus	Australian Owlet-nightjar	Sighted
Anthus novaeseelandiae	Australian Pipit	Sighted
Ardeotis australis	Australian Bustard	Sighted
Barnardius zonarius	Australian Ringneck	Sighted
Cinclosoma castanotum	Chestnut Quail-thrush	Sighted
Corvus bennetti	Little Crow	Sighted
Cracticus nigrogularis	Pied Butcherbird	Sighted
Dromaius novaehollandiae	Emu	Tracks seen
Eolophus roseicapilla	Galah	Sighted
Elanus axillaris	Black-shouldered Kite	Sighted
Epthianura tricolor	Crimson Chat	Sighted
Falco berigora	Brown Falcon	Sighted
Falco cenchroides	Nankeen Kestrel	Sighted
Falco longipennis	Australian Hobby	Sighted
Grallina cyanoleuca	Magpie-lark	Sighted
Hieraaetus morphnoides	Little Eagle	Sighted
Lichenostomus virescens	Singing Honeyeater	Sighted
Malurus lamberti	Variegated Fairy-wren	Sighted
Manorina flavigula	Yellow-throated Miner	Sighted
Melanodryas cucullata	Hooded Robin	Sighted
Ocyphaps lophotes	Crested Pigeon	Sighted
Oreoica gutturalis	Crested Bellbird	Sighted
Petroica goodenovii	Red-capped Robin	Sighted
Phaps chalcoptera	Common Bronzewing	Sighted
Podargus strigoides	Tawny frogmouth	Sighted
Pomatostomus superciliosus	White-browed Babbler	Sighted
Pomatostomus superciliosus	Black-faced Woodswallow	Sighted
Rhipidura leucophrys	Willie Wagtail	Sighted
Taeniopygia guttata	Zebra Finch	Sighted
Mammals		
*Bos taurus**	Cattle	Deceased
*Camelus dromedarius**	One-humped Camel	Tracks and scat seen
*Canis lupus dingo**	Dingo/wild dog	Tracks seen
*Felis catus**	Cat	Tracks and scat seen
*Oryctolagus cuniculus**	Rabbit	Tracks and scat seen
Osphranter rufus	Red Kangaroo	Sighted
Sminthopsis crassicaudata	Fat-tailed Dunnart	Sighted
Tachyglossus aculeatus	Echidna	Tracks seen
	Rodent species	Tracks seen
*Denotes introduced species		
Reptiles		
Ctenophorus isolepis	Military Dragon	Sighted
Moloch horridus	Thorny Devil	Sighted
	Skink species	Sighted

4.2.10 Bat Survey

Four species of bat were recorded and identified from the bat detector surveys (Table 4-32). None of these are listed as species of conservation significance.

Table 4-32: Bats recorded in the survey area

Species	Common Name	Conservation status	Recorder number (s)	Month(s)
Austronomus australis	White-Striped Free-Tailed Bat	Least Concern	184, 198	May, July
Chalinolobus gouldii	Gould's Wattle Bat		184	May, July
Nyctophilus geoffroyi	Lesser Long-eared Bat		184, 198	May, July
Vespadelus finlaysoni	Finlayson's Cave Bat		184, 198	May

4.2.11 Significant Fauna

According to the EPA *Environmental Factor Guideline for Terrestrial Fauna* (EPA, 2016c) significant fauna includes:

- Fauna being identified as a Threatened or Priority species;
- Fauna species with restricted distribution;
- Fauna subject to a high degree of historical impact from threatening processes; and
- Fauna providing an important function required to maintain the ecological integrity of a significant ecosystem.

The current status of some species on site and/or in the general area is difficult to determine, however, based on the habitats present and/ or recent nearby records, the following species of conservation significance can be regarded as possibly occurring in the wider area (but not necessarily within the survey area). An assessment of each fauna considered as 'possible' to occur prior to the field survey was done after the field survey, and this is presented in Table 4-33.

Table 4-33: Post-survey Likelihood of occurrence table (LOO)

Taxon	Reason for LOO
Bird	
Aphelocephala leucopsis Southern Whiteface Vulnerable (EPBC and BC Act)	Pre-survey LOO: Possible Post-survey LOO: Potential to occur. No evidence of this bird was observed during the survey. The Western Wildlife survey (2022) identified it as present during their survey; however, it was not listed at the time of that survey, which was approximately 5 km (and beyond) north of this survey area. Potential to occur, but just not seen during this survey.
Leipoa ocellata Malleefowl Vulnerable (EPBC and BC Act)	Pre-survey LOO: Possible Post-survey LOO: Unlikely to occur. No evidence of this bird was observed during the survey, including active or inactive mounds, tracks, scats or feathers. The only 'sighting' of a bird in the desktop survey area was from 1993, which says it was seen 'south of Lake Throssell'. These coordinates

Taxon	Reason for LOO
Bird	
	provided by DBCA are therefore considered to be incorrect, due to the date of the record and its placement almost northeast of Lake Throssell. All other records are of secondary signs in an area to the southwest (>18 km from the survey area). Approximately 48% of the vegetation in the survey area (CLP-AFW1, SP-AFW1, SP-MW1 and SP-MW2) are considered suitable habitat for malleefowl. However given that there was no evidence of this species and this area is at the northern extent of its range it is unlikely to be present.
Polytelis alexandrae Princess Parrot Vulnerable (EPBC), P4 (BC Act)	Pre-survey LOO: Possible Post-survey LOO: Potential to occur. No evidence of this bird was observed during the survey. The Western Wildlife survey (2022) did not identify it during their survey and there are no records in the DBCA data provided for the desktop survey area. The area of sand plain with large *Eucalyptus gongylocarpa* could provide areas for nesting in large trees with hollows, this is only 3.4 % of the survey area (SP-EW1). Potential to occur, but just not seen during this survey.
Mammal	
Dasycercus blythi Brush-tailed Mulgara P4 (BC Act)	Pre-survey LOO: Possible Post-survey LOO: Potential to occur. The Western Wildlife survey (2022) which was approximately 5 km (and beyond) north of this survey area, identified it as present. Many tracks of small mammals were observed in areas of sand dunes and some areas of sand plain, but it is difficult to determine if those tracks were the Brush-tailed Mulgara. Potential to occur, but targeted surveys would be needed to confirm its presence.
Macrotis lagotis Bilby Vulnerable (EPBC and BC Act)	Pre-survey LOO: Possible Post-survey LOO: Unlikely to occur. No recent records within the desktop survey area. No evidence of burrows, tracks or scats was seen during this survey, therefore not likely to be present in the area. Western Wildlife (2022) concluded they are likely to be locally extinct in the region.
Sminthopsis longicaudatus Long-tailed Dunnart P4 (BC Act)	Pre-survey LOO: Possible Post-survey LOO: Potential to occur. The Western Wildlife survey (2022) which was approximately 5 km (and beyond) north of this survey area, identified it as present. It would occur in areas of rocky slopes, of which there was only approximately 1.4% in the survey area (RS-AFW1). Potential to occur, but targeted surveys would be needed to confirm its presence.
Reptile	
Anilios margaretae Bluff Snouted Blind Snake P2 (BC Act)	Pre-survey LOO: Possible Post-survey LOO: Potential to occur. No recent records within the desktop survey area. Western Wildlife (2022) concluded they are likely to be present but found no evidence of them in their survey. This population may be extinct but targeted surveys would be needed to confirm this
Liopholis kintorei– Great Desert Skink Vulnerable (EPBC and BC Act)	Pre-survey LOO: Possible Post-survey LOO: Potential to occur. No evidence of burrows, tracks or scats was seen during this survey. The Western Wildlife survey (2022) which was approximately 5 km (and beyond) north of this survey area, identified it as present, however this was only from 'secondary signs' for example scats and burrows. Potential to occur, but no evidence seen during this survey.

It should be noted that while habitats onsite for the species listed above are considered possibly suitable, some or all may be marginal in extent/quality and therefore the fauna species considered as possibly occurring may in fact only visit the area for short periods as infrequent vagrants. The result of the literature review and observations made during the field survey suggest that the probability of any of the above-mentioned fauna species actually occurring with the survey area would be low.

4.3 Matters of National Environmental Significance

4.3.1 Environment Protection and Biodiversity Conservation Act 1999

The EPBC Act protects matters of national environmental significance and is used by the Commonwealth DCCEEW to list threatened taxa and ecological communities into categories based on the criteria set out in the Act (www.environment.gov.au/epbc/index.html). The Act provides a national environmental assessment and approval system for proposed developments and enforces strict penalties for unauthorised actions that may affect matters of national environmental significance. Matters of national environmental significance as defined by the Commonwealth EPBC Act include:

- Nationally threatened flora and fauna species;
- World heritage properties;
- National heritage places;
- Wetlands of international importance (often called 'Ramsar' wetlands after the international treaty under which such wetlands are listed);
- Nationally threatened ecological communities;
- Commonwealth marine area;
- The Great Barrier Reef Marine Park; and
- Nuclear actions (including uranium mining) are a water resource, in relation to coal seam gas development and large coal mining development.

One Threatened flora taxon listed as Critically Endangered under the EPBC Act was recorded within the survey area; *Seringia exastia*. As previously described in Section 4.2.3, *Seringia exastia* now represents a common, widespread species that would not meet the criteria for Threatened status. It is expected that this taxon will be delisted on a Commonwealth level in the near future but it is unclear when this will occur.

No other matters of national environmental significance as defined by the Commonwealth EPBC Act were identified within the survey area.

4.4 Matters of State Environmental Significance

4.4.1 *Environmental Protection Act WA 1986*

The EP Act provides for the prevention, control and abatement of pollution and environmental harm, for the conservation, preservation, protection, enhancement and management of the environment. The Act is administered by The Department of Water and Environment Regulation (DWER), which is the State Government's environmental regulatory agency.

Under Section 51C of the EP Act and the *Environmental Protection (Clearing of Native Vegetation) Regulations (Regulations) WA 2004* any clearing of native vegetation in Western Australia that is not eligible for exemption under Schedule 6 of the *EP Act 1986* or under the Regulations 2004 requires a clearing permit from the DWER or DMPE. Under Section 51A of the *EP Act 1986* native vegetation includes aquatic and terrestrial vegetation indigenous to Western Australia, and intentionally planted vegetation declared by regulation to be native vegetation, but not vegetation planted in a plantation or planted with commercial intent. Section 51A of the *EP Act 1986* defines clearing as "the killing or destruction of; the removal of; the severing or ringbarking of trunks or stems of; or the doing of substantial damage to some or all of the native vegetation in an area, including the flooding of land, the burning of vegetation, the grazing of stock or an act or activity that results in the above". Exemptions under Schedule 6 of the EP Act and the EP Regulations do not apply in ESAs as declared under Section 51B of the EP Act or TEC listed under State and Commonwealth legislation.

No evidence of the survey area containing any TEC or Threatened flora or fauna was found during the survey. The survey area is not located within an ESA. The nearest TEC is more than 380 km west of the survey area. The nearest ESA is Lake Throssel which runs adjacent to and west of the survey area. Yeo Lake Nature Reserve is also directly south of the southern end of the survey area. See section 2.6 for more information.

4.4.2 *Biodiversity Conservation Act 2016*

This Act is used by the Western Australian DBCA for the conservation and protection of biodiversity and biodiversity components in Western Australia and to promote the ecologically sustainable use of biodiversity components in the State. Taxa are classified as 'Threatened" when their populations are geographically restricted or are threatened by local processes (see following sections for Threatened definitions). Under this Act all native flora and fauna are protected throughout the State. Financial penalties are enforced under this Act if threatened species are collected without an appropriate license.

Under Section 54(1) of the BC Act, habitat is eligible for listing as critical habitat if:

a) *it is critical to the survival of a threatened species or a threatened ecological community; and*
b) *its listing is otherwise in accordance with the ministerial guidelines.*

No threatened species or critical habitat listed under the BC Act were recorded within the survey area.

4.5 Other areas of Conservation Significance

The DBCA lists 'Priority' species and communities which are under consideration for declaration as 'Threatened' under the BC Act. These Priority species/ communities have no formal legal protection until they are endorsed by the Minister as being Threatened.

No Priority species or PEC as listed DBCA were identified within the survey area. There are no wetlands of international importance (Ramsar Wetlands) or national importance (Australian Nature Conservation Agency Wetlands) within the survey area.

The survey area is not within a reserve that is gazetted with the Conservation and Parks Commission of WA for the purposes of 'conservation of flora and fauna'. The nearest gazetted reserve is the Yeo Lake Nature Reserve (R 36271) which is approximately 1.5 km south of the southern end of the survey area.

5 DISCUSSION

The Biological Survey of the Great Central Road (Outback Way) consists of three sections of road northeast of Laverton in WA. Located between SLK 206.25 – SLK 412.0 the survey area extends for approximately 206 km and extends 100 m either side of the road centreline, as well as including associated sections for material resource pits and laydown areas. The survey area is approximately 5,917.4 ha in extent and is located in the Shire of Laverton.

The field assessment was undertaken from the 2nd to the 5th May 2025 and the 15th to the 17th July 2025. Ninety-eight quadrats (50m x 50m) were established during the survey.

A total of nineteen vegetation types were identified within the survey area. These vegetation types were located within nine landform types and comprised of six NVIS major vegetation groups. These vegetation types are considered to be widespread and are well represented in the Central subregion of the Great Victoria Desert Bioregion. Vegetation was represented by a total of 162 vascular flora taxa within the survey area. These taxa represented 74 genera across 28 families.

One Threatened Flora as listed under the Commonwealth *Environment Protection and Biodiversity Conservation (EPBC) Act 1999* was identified within the survey area. Fifty-six (56) populations were observed in the survey area, totalling approximately 29,500 plants. *Seringia exastia* is not listed under the Western Australian *Biodiversity Conservation (BC) Act 2016.* Taxonomic work has determined that *Seringia exastia* is conspecific with (the same as) *Seringia elliptica*, which is widespread across northern and central Western Australia, Northern Territory and extending into South Australia (Binks *et al*., 2020). Consequently, *Seringia elliptica* and *Seringia exastia* were synonymised under the oldest valid name, being *Seringia exastia*. The newly circumscribed *Seringia exastia* now represents a common, widespread species that would not meet the criteria for conservation significance and should be delisted (Binks *et al.,* 2020). It is expected that this taxon will be delisted on a Commonwealth level in the near future given its delisting in WA and is now considered a common and widespread species, but it is unclear when this will occur.

No WA-listed Threatened flora were identified within the survey area.

No Priority Flora were listed on the Department of Biodiversity, Conservation and Attractions (DBCA) database as having previously been recorded within the survey area. The desktop assessment identified six Priority Flora taxa as possibly occurring within the survey area based on their broad habitat descriptions/ soil types.

No Priority Flora were identified within the survey area. Based on the field assessment, all Priority Flora identified as possible to occur from the desktop assessment were considered to be unlikely to occur within the survey area.

Based on the vegetation condition rating scale specified in the Environmental Protection Authority (EPA) *Technical Guidance - Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016a), vegetation ranged from 'completely degraded' to 'excellent' with the majority of vegetation rated as 'very good'. Disturbance in the area was a result of road siding of the Great Central Road, access tracks, camping areas (formal and informal) and existing clearing for gravel pits/materials storage. Two introduced flora taxa were identified within the survey area, these are not listed as a Declared Pest or as a Weed of National Significance.

No Threatened Ecological Communities or Priority Ecological Communities or any other vegetation types considered significant were identified within the survey area.

Eight fauna habitats were identified within the survey area. These fauna habitats are considered widespread outside of the survey area in the Great Victoria Desert bioregion. Results of the literature review identified 34 mammals (including 10 bat species), 103 bird, 111 reptile, and 11 frog species which are considered possible to occur within the survey area.

No Threatened or Priority fauna as listed by DBCA were observed within the survey area. No evidence of any conservation listed fauna was observed during the survey. Of the eight fauna considered possible to occur prior to the field survey, six were considered as having the potential to occur after being re-assessed post survey, but would need further surveys to confirm their presence or otherwise.

There are no wetlands of international importance (Ramsar Wetlands) or national importance (Australian Nature Conservation Agency Wetlands) within the survey area. The survey area is not within a gazetted reserve, the nearest gazetted reserve is the Yeo Lake Nature Reserve which is immediately south of the southern-most part of the survey area, this Reserve is also an ESA.

No matters of national environmental significance as defined by the Commonwealth EPBC Act were identified within the survey area. The survey area is not located within an ESA.

6 CONCLUSION

The Great Central Road (Outback Way) biological survey covered approximately 5,917.4 ha within the Shire of Laverton. The survey area consists of three sections of road between SLK 206.25 and SLK 412.0. Field surveys were completed in May 2025 and July 2025, with 98 quadrats (50 m × 50 m) established to characterise floristic composition and support vegetation mapping.

6.1 Flora and Vegetation

A total of nineteen vegetation types were mapped within the survey area, spanning nine landform types and six NVIS major vegetation groups. These vegetation types are considered widespread and well represented in the Central subregion of the Great Victoria Desert bioregion.

Vegetation condition ranged from completely degraded to excellent, with the majority rated very good. Disturbance was primarily associated with existing linear infrastructure and access (road works/siding, tracks, camping areas, and gravel pits/material storage).

No TECs, PECs, or other vegetation types considered significant were identified within the survey area.

6.2 Significant Flora

No WA-listed Threatened flora or Priority flora were recorded during the field survey.

One EPBC Act-listed Threatened flora taxon, *Seringia exastia*, was recorded within the survey area. While currently listed under the EPBC Act, it has been delisted in WA and is now regarded as a common and widespread species based on taxonomic revision; delisting at the Commonwealth level is anticipated, although timing is uncertain.

Two introduced flora taxa were recorded; neither is listed as a Declared Pest or Weed of National Significance.

6.3 Fauna and Fauna Habitat

Eight broad fauna habitat types were identified within the survey area and are considered widespread in the Great Victoria Desert bioregion.

The desktop assessment identified 259 potential vertebrate fauna species (including ten introduced species), comprising 11 amphibians, 111 reptiles, 103 birds, 24 non-volant mammals, and ten bat species.

Field investigations recorded 45 fauna species overall (including four bat species), with no Threatened or Priority fauna observed and no evidence of conservation-listed fauna detected during the survey.

Where conservation significant fauna were identified as *possible* during the desktop phase, post-survey reassessment indicates a reduced subset may still have potential to occur; confirmation would require additional targeted survey effort if required for approvals.

6.4 Other Conservation Values and Matters of National Significance

No wetlands of international (Ramsar) or national importance were identified within the survey area. The survey area is not within a gazetted reserve; the nearest reserve is Yeo Lake Nature Reserve, located immediately south of the southernmost extent of the survey area and also classified as an ESA.

No additional Matters of National Environmental Significance (MNES) were identified within the survey area, and the survey area is not located within an ESA.

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APPENDIX A:
CONSERVATION SIGNIFICANT SPECIES/ COMMUNITIES CATEGORIES (BC ACT AND EPBC ACT)

Definitions of Conservation Significant Species

Code	Category
State categories of Threatened and Priority species	
Threatened Species (T) Listed by order of the Minister as Threatened in the category of critically endangered, endangered or vulnerable under section 19(1), or is a rediscovered species to be regarded as Threatened species under section 26(2) of the Biodiversity Conservation Act 2016 (BC Act).	
CR	**Critically Endangered** Threatened species considered to be "facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with criteria set out in the ministerial guidelines". Listed as critically endangered under section 19(1)(a) of the BC Act in accordance with the criteria set out in section 20 and the ministerial guidelines. Published under schedule 1 of the Wildlife Conservation (Specially Protected Fauna) Notice 2025 for critically endangered fauna or the Wildlife Conservation (Rare Flora) Notice 2025 for critically endangered flora.
EN	**Endangered** Threatened species considered to be "facing a very high risk of extinction in the wild in the near future, as determined in accordance with criteria set out in the ministerial guidelines". Listed as endangered under section 19(1)(b) of the BC Act in accordance with the criteria set out in section 21 and the ministerial guidelines. Published under schedule 2 of the Wildlife Conservation (Specially Protected Fauna) Notice 2025 for endangered fauna or the Wildlife Conservation (Rare Flora) Notice 2025 for endangered flora.
VU	**Vulnerable** Threatened species considered to be "facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with criteria set out in the ministerial guidelines". Listed as vulnerable under section 19(1)(c) of the BC Act in accordance with the criteria set out in section 22 and the ministerial guidelines. Published under schedule 3 of the Wildlife Conservation (Specially Protected Fauna) Notice 2025 for vulnerable fauna or the Wildlife Conservation (Rare Flora) Notice 2025 for vulnerable flora.
Extinct species Listed by order of the Minister as extinct under section 23(1) of the BC Act as extinct or extinct in the wild.	
EX	**Extinct** Species where "*there is no reasonable doubt that the last member of the species has died*", and listing is otherwise in accordance with the ministerial guidelines (section 24 of the BC Act). Published as presumed extinct under schedule 4 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2025* for extinct fauna or the *Wildlife Conservation (Rare Flora) Notice 2025* for extinct flora.
EW	**Extinct in the Wild** Species that *"is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; and it has not been recorded in its known habitat or expected habitat, at appropriate seasons, anywhere in its past range, despite surveys over a time frame appropriate to its life cycle and form*", and listing is otherwise in accordance with the ministerial guidelines (section 25 of the BC Act). Currently there are no Threatened fauna or Threatened flora species listed as extinct in the wild. If listing of a species as extinct in the wild occurs, then a schedule will be added to the applicable notice.
Specially protected species Listed by order of the Minister as specially protected under section 13(1) of the BC Act. Meeting one or more of the following categories: species of special conservation interest; migratory species; cetaceans; species subject to international agreement; or species otherwise in need of special protection. Species that are listed as Threatened species (critically endangered, endangered or vulnerable) or extinct species under the BC Act cannot also be listed as Specially Protected species.	
IA	**International Agreement/ Migratory**

Code	Category
	Fauna that periodically or occasionally visit Australia or an external Territory or the exclusive economic zone; or the species is subject of an international agreement that relates to the protection of migratory species and that binds the Commonwealth; and listing is otherwise in accordance with the ministerial guidelines (section 15 of the BC Act). Includes birds that are subject to an agreement between the government of Australia and the governments of Japan (JAMBA), China (CAMBA) and The Republic of Korea (ROKAMBA), and fauna subject to the *Convention on the Conservation of Migratory Species of Wild Animals* (Bonn Convention), an environmental treaty under the United Nations Environment Program. Migratory species listed under the BC Act are a subset of the migratory animals, that are known to visit Western Australia, protected under the international agreements or treaties, excluding species that are listed as Threatened species. Published as migratory birds protected under an international agreement under schedule 5 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2025*.
CD	**Species of special conservation interest** Fauna of special conservation need being species dependent on ongoing conservation intervention to prevent it becoming eligible for listing as Threatened, and listing is otherwise in accordance with the ministerial guidelines (section 14 of the BC Act). Published as conservation dependent fauna under schedule 6 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2025*.
OS	**Other specially protected species** Fauna otherwise in need of special protection to ensure their conservation, and listing is otherwise in accordance with the ministerial guidelines (section 18 of the BC Act). Published as other specially protected fauna under schedule 7 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2025*.
Priority species Possibly Threatened species that do not meet survey criteria, or are otherwise data deficient, are added to the Priority Fauna or Priority Flora Lists under Priorities 1, 2 or 3. These three categories are ranked in order of Priority for survey and evaluation of conservation status so that consideration can be given to their declaration as Threatened Fauna or Flora. Species that are adequately known, are rare but not threatened, or meet criteria for near threatened, or that have been recently removed from the threatened species or other specially protected fauna lists for other than taxonomic reasons, are placed in Priority 4. These species require regular monitoring. Assessment of Priority codes is based on the Western Australian distribution of the species, unless the distribution in WA is part of a contiguous population extending into adjacent States, as defined by the known spread of locations.	
P1	**Priority 1: Poorly-known species** Species that are known from one or a few locations (generally five or less) which are potentially at risk. All occurrences are either: very small; or on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, road and rail reserves, gravel reserves and active mineral leases; or otherwise under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes. Such species are in urgent need of further survey.
P2	**Priority 2: Poorly-known species** Species that are known from one or a few locations (generally five or less), some of which are on lands managed primarily for nature conservation, e.g. national parks, conservation parks, nature reserves and other lands with secure tenure being managed for conservation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes. Such species are in urgent need of further survey.
P3	**Priority 3: Poorly-known species** Species that are known from several locations, and the species does not appear to be under imminent threat, or from few but widespread locations with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Species may be included if they are comparatively well known from several locations but do not meet adequacy of survey requirements and known threatening processes exist that could affect them. Such species are in need of further survey.
P4	**Priority 4: Rare, Near Threatened and other species in need of monitoring** (a) Rare. Species that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection but could be if present circumstances change. These species are usually represented on conservation lands. (b) Near Threatened. Species that are considered to have been adequately surveyed and that are close to qualifying for vulnerable but are not listed as Conservation Dependent. (c) Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.
Commonwealth categories of Threatened species	

Code	Category
EX	**Extinct** Taxa where there is no reasonable doubt that the last member of the species has died.
EW	**Extinct in the Wild** Taxa where it is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; or it has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form.
CR	**Critically Endangered** Taxa that are facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria.
EN	**Endangered** Taxa which are not critically endangered and is facing a very high risk of extinction in the wild in the near future, as determined in accordance with the prescribed criteria.
VU	**Vulnerable** Taxa which are not critically endangered or endangered and is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.
CD	**Conservation Dependent** Taxa which are the focus of a specific conservation program the cessation of which would result in the species becoming vulnerable, endangered or critically endangered; or (b) the following subparagraphs are satisfied: (i) the species is a species of fish; (ii) the species is the focus of a plan of management that provides for actions necessary to stop the decline of, and support the recovery of, the species so that its chances of long term survival in nature are maximised; (iii) the plan of management is in force under a law of the Commonwealth or of a State or Territory; (iv) cessation of the plan of management would adversely affect the conservation status of the species.

Definitions of conservation significant communities

Category Code	Category
State categories of Threatened Ecological Communities (TEC)	
PD	**Presumed Totally Destroyed**
	An ecological community will be listed as Presumed Totally Destroyed if there are no recent records of the community being extant and either of the following applies:
	• *records within the last 50 years have not been confirmed despite thorough searches or known likely habitats or;*
	• *all occurrences recorded within the last 50 years have since been destroyed.*
CR	**Critically Endangered**
	An ecological community will be listed as Critically Endangered when it has been adequately surveyed and is found to be facing an extremely high risk of total destruction in the immediate future, meeting any one of the following criteria:
	The estimated geographic range and distribution has been reduced by at least 90% and is either continuing to decline with total destruction imminent, or is unlikely to be substantially rehabilitated in the immediate future due to modification;
	The current distribution is limited i.e. highly restricted, having very few small or isolated occurrences, or covering a small area;
	The ecological community is highly modified with potential of being rehabilitated in the immediate future.
EN	**Endangered**
	An ecological community will be listed as Endangered when it has been adequately surveyed and is not Critically Endangered but is facing a very high risk of total destruction in the near future. The ecological community must meet any one of the following criteria:
	The estimated geographic range and distribution has been reduced by at least 70% and is either continuing to decline with total destruction imminent in the short-term future, or is unlikely to be substantially rehabilitated in the short-term future due to modification;
	The current distribution is limited i.e. highly restricted, having very few small or isolated occurrences, or covering a small area;

Category Code	Category
	The ecological community is highly modified with potential of being rehabilitated in the short-term future.
VU	**Vulnerable**
	An ecological community will be listed as Vulnerable when it has been adequately surveyed and is not Critically Endangered or Endangered but is facing high risk of total destruction in the medium to long term future. The ecological community must meet any one of the following criteria:
	The ecological community exists largely as modified occurrences that are likely to be able to be substantially restored or rehabilitated;
	The ecological community may already be modified and would be vulnerable to threatening process, and restricted in range or distribution;
	The ecological community may be widespread but has potential to move to a higher threat category due to existing or impending threatening processes.
Commonwealth categories of Threatened Ecological Communities (TEC)	
CE	**Critically Endangered** If, at that time, an ecological community is facing an extremely high risk of extinction in the wild in the immediate future (indicative timeframe being the next 10 years).
EN	**Endangered** If, at that time, an ecological community is not critically endangered but is facing a very high risk of extinction in the wild in the near future (indicative timeframe being the next 20 years).
VU	**Vulnerable** If, at that time, an ecological community is not critically endangered or endangered, but is facing a high risk of extinction in the wild in the medium–term future (indicative timeframe being the next 50 years).
Priority Ecological Communities	
P1	**Poorly-known ecological communities**
	Ecological communities with apparently few, small occurrences, all or most not actively managed for conservation (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) and for which current threats exist.
P2	**Poorly-known ecological communities**
	Communities that are known from few small occurrences, all or most of which are actively managed for conservation (e.g. within national parks, conservation parks, nature reserves, State forest, un-allocated Crown land, water reserves, etc.) and not under imminent threat of destruction or degradation.
P3	**Poorly known ecological communities**
	Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or:
	Communities known from a few widespread occurrences, which are either large or within significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat, or;
	Communities made up of large, and/or widespread occurrences, that may or not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing and inappropriate fire regimes.
P4	**Ecological communities that are adequately known, rare but not threatened** or meet criteria for near threatened, or that have been recently removed from the threatened list. These communities require regular monitoring.
P5	**Conservation Dependent ecological communities**
	Ecological communities that are not threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming threatened within five years.

APPENDIX B:
LIST OF SPECIES IDENTIFIED WITHIN EACH VEGETATION TYPE

(A) and blue text-denotes annual taxa; (W) green text-denotes introduced flora (weeds); (T) and red text denotes Threatened flora (WAHERB, 1998-)

Family	Taxon	CLP-AFW1	CLP-COW1	SCLP-AFW1	SP-AFW1	SP-AOW1	SP-AOW2	SP-EW1	SP-MW1	SP-MW2	SD-EW1	SD-AW1	RS-AW1	RP-AW1	OD-CS1	OD-AOW1	GD-CW1
Amaranthaceae	*Ptilotus obovatus*	*		*	*	*		*	*	*	*	*	*	*		*	
Amaranthaceae	*Ptilotus schwartzii*				*	*	*							*			
Apocynaceae	*Cynanchum viminale* subsp. *australe*													*			
Asparagaceae	*Lomandra leucocephala*										*	*					
Asteraceae	*Brachyscome ciliaris (A)*														*		
Asteraceae	*Chrysocephalum puteale*	*									*	*					
Asteraceae	*Pterocaulon sphacelatum*														*		
Asteraceae	*Siemssenia capillaris*	*															
Asteraceae	*Vittadinia eremaea (A)*	*													*		
Boraginaceae	*Halgania cyanea*											*		*			
Boraginaceae	*Halgania erecta*			*				*									
Boraginaceae	*Halgania glabra*											*					
Casuarinaceae	*Casuarina pauper*		*														*
Chenopodiaceae	*Atriplex vesicaria*														*	*	
Chenopodiaceae	*Enchylaena tomentosa*	*			*			*	*	*			*	*	*		
Chenopodiaceae	*Maireana amoena*														*		
Chenopodiaceae	*Maireana carnosa*														*		
Chenopodiaceae	*Maireana convexa*	*													*		
Chenopodiaceae	*Maireana georgei*	*															
Chenopodiaceae	*Maireana pentatropis*																*
Chenopodiaceae	*Maireana pyramidata*														*	*	
Chenopodiaceae	*Maireana radiata*			*											*	*	
Chenopodiaceae	*Maireana trichoptera*		*														
Chenopodiaceae	*Maireana triptera*	*														*	
Chenopodiaceae	*Rhagodia eremaea*	*	*	*	*			*	*	*		*					
Chenopodiaceae	*Salsola australis (A)*	*	*					*		*			*	*			
Chenopodiaceae	*Sclerolaena cornishiana (A)*	*										*	*	*	*		
Chenopodiaceae	*Sclerolaena diacantha*	*		*											*	*	*
Convolvulaceae	*Bonamia erecta*					*	*	*	*			*					
Euphorbiaceae	*Euphorbia tannensis*	*						*	*								
Fabaceae	*Acacia acanthoclada*					*											
Fabaceae	*Acacia aptaneura*	*				*			*					*			
Fabaceae	*Acacia ayersiana*	*		*		*	*	*		*						*	
Fabaceae	*Acacia burkittii*	*	*														*
Fabaceae	*Acacia caesaneura*	*		*		*			*			*				*	
Fabaceae	*Acacia colletioides*		*														*
Fabaceae	*Acacia dictyophleba*					*	*		*			*					
Fabaceae	*Acacia helmsiana*			*	*	*	*	*	*			*					
Fabaceae	*Acacia incurvaneura*	*		*	*	*	*	*	*	*	*	*		*	*		
Fabaceae	*Acacia kempeana*					*											
Fabaceae	*Acacia ligulata*	*		*	*	*	*	*	*		*	*					
Fabaceae	*Acacia melleodora*					*						*					
Fabaceae	*Acacia minyura*	*		*													
Fabaceae	*Acacia mulganeura*	*					*		*				*	*			
Fabaceae	*Acacia murrayana*	*		*													
Fabaceae	*Acacia pachyacra*	*		*		*	*		*								
Fabaceae	*Acacia pruinocarpa*	*		*		*	*		*								
Fabaceae	*Acacia pteraneura*	*		*	*					*			*	*			

Family	Taxon	CLP-AFW1	CLP-COW1	SCLP-AFW1	SP-AFW1	SP-AOW1	SP-AOW2	SP-EW1	SP-MW1	SP-MW2	SD-EW1	SD-AW1	RS-AW1	RP-AW1	OD-CS1	OD-AOW1	GD-CW1
Fabaceae	*Acacia quadrimarginea*												*	*			
Fabaceae	*Acacia ramulosa*	*		*					*	*	*						
Fabaceae	*Acacia rhodophloia*					*	*										
Fabaceae	*Acacia tetragonophylla*	*							*	*							
Fabaceae	*Daviesia ulicifolia* subsp. *aridicola*								*								
Fabaceae	*Kennedia prorepens*			*	*				*		*						
Fabaceae	*Leptosema chambersii*	*				*			*			*					
Fabaceae	*Petalostylis cassioides*					*	*										
Fabaceae	*Senna artemisioides* subsp. *×sturtii*	*						*	*				*	*			
Fabaceae	*Senna artemisioides* subsp. *artemisioides*			*									*	*			
Fabaceae	*Senna artemisioides* subsp. *filifolia*	*	*	*	*			*	*	*	*	*			*		
Fabaceae	*Senna artemisioides* subsp. *helmsii*				*								*	*			
Fabaceae	*Senna notabilis*			*			*		*								
Frankeniaceae	*Frankenia setosa*														*	*	
Goodeniaceae	*Brunonia australis (A)*	*				*											
Goodeniaceae	*Goodenia azurea* subsp. *hesperia*							*									
Goodeniaceae	*Goodenia centralis (A)*			*				*									
Goodeniaceae	*Goodenia gypsicola*																*
Goodeniaceae	*Goodenia mimuloides (A)*	*			*												
Goodeniaceae	*Goodenia rosea (A)*			*	*												
Goodeniaceae	*Goodenia xanthosperma*								*								
Goodeniaceae	*Scaevola basedowii*			*		*	*	*	*								
Goodeniaceae	*Scaevola parvifolia* subsp. *parvifolia*							*	*			*					
Goodeniaceae	*Scaevola spinescens*	*				*				*							
Gyrostemonaceae	*Codonocarpus cotinifolius*	*		*	*	*	*	*	*								
Gyrostemonaceae	*Gyrostemon ramulosus*	*				*			*		*	*					
Hemerocallidaceae	*Corynotheca divaricata*							*	*		*	*					
Lamiaceae	*Dicrastylis doranii*	*		*	*	*	*	*	*		*	*					
Lamiaceae	*Dicrastylis exsuccosa*	*		*			*	*	*								
Lamiaceae	*Microcorys macredieana*					*			*								
Lamiaceae	*Newcastelia hexarrhena*										*						
Lamiaceae	*Pityrodia loricata*											*					
Lamiaceae	*Prostanthera sericea*	*				*	*										
Lamiaceae	*Teucrium teucriiflorum*	*							*								
Loranthaceae	*Amyema fitzgeraldii*	*															
Loranthaceae	*Amyema gibberula*	*															
Loranthaceae	*Amyema maidenii*	*															
Loranthaceae	*Amyema miquelii*	*															
Loranthaceae	*Amyema preissii*												*	*			
Malvaceae	*Abutilon cryptopetalum*				*											*	
Malvaceae	*Abutilon leucopetalum*				*						*						
Malvaceae	*Abutilon otocarpum*							*	*								
Malvaceae	*Alyogyne pinoniana*	*						*	*		*	*				*	
Malvaceae	*Androcalva loxophylla*	*			*	*	*		*			*					
Malvaceae	*Seringia exastia (T)*	*				*	*		*								
Malvaceae	*Sida ammophila*	*															
Malvaceae	*Sida calyxhymenia*													*			
Malvaceae	*Sida ectogama*	*					*		*								
Malvaceae	*Sida sp excedentifolia*	*			*												
Malvaceae	*Sida* sp. Golden calyces glabrous (H.N. Foote 32)							*					*	*			
Myrtaceae	*Aluta maisonneuvei*	*				*		*	*		*	*					
Myrtaceae	*Baeckea* sp. Great Victoria Desert								*								
Myrtaceae	*Eucalyptus concinna*	*								*							
Myrtaceae	*Eucalyptus gongylocarpa*							*	*		*						
Myrtaceae	*Eucalyptus leptopoda*								*								
Myrtaceae	*Eucalyptus lucasii*				*		*		*								
Myrtaceae	*Eucalyptus youngiana*	*			*			*	*			*					
Myrtaceae	*Melaleuca interioris*	*															
Myrtaceae	*Micromyrtus flaviflora*	*				*			*			*					

Family	Taxon	CLP-AFW1	CLP-COW1	SCLP-AFW1	SP-AFW1	SP-AOW1	SP-AOW2	SP-EW1	SP-MW1	SP-MW2	SD-EW1	SD-AW1	RS-AW1	RP-AW1	OD-CS1	OD-AOW1	GD-CW1
Poaceae	*Amphipogon caricinus*	*		*		*	*		*								
Poaceae	*Aristida contorta (A)*	*		*	*		*	*	*	*		*	*	*	*	*	*
Poaceae	*Aristida holathera (A)*	*		*	*	*	*	*	*	*	*	*		*		*	
Poaceae	*Austrostipa nitida*		*														
Poaceae	*Cenchrus ciliaris (W)*	*													*	*	
Poaceae	*Enneapogon caerulescens (A)*	*	*													*	
Poaceae	*Enteropogon ramosus*	*													*		
Poaceae	*Eragrostis dielsii (A)*			*						*					*		
Poaceae	*Eragrostis eriopoda*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	
Poaceae	*Eragrostis kennedyae*	*	*												*		
Poaceae	*Eriachne mucronata*	*			*									*			
Poaceae	*Monachather paradoxus*	*		*	*												
Poaceae	*Neurachne muelleri*								*								
Poaceae	*Themeda triandra*			*				*				*					
Poaceae	*Trichodesma zeylanicum (A)*										*	*					
Poaceae	*Triodia basedowii*	*		*	*	*	*	*	*	*	*	*	*	*		*	
Poaceae	*Triodia melvillei*	*		*					*			*		*			
Poaceae	*Triodia schinzii*	*				*	*	*	*		*	*					
Proteaceae	*Grevillea berryana*	*			*	*											
Proteaceae	*Grevillea eriostachya*					*			*			*					
Proteaceae	*Grevillea juncifolia*					*			*			*					
Proteaceae	*Grevillea pterosperma*	*							*		*	*					
Proteaceae	*Grevillea stenobotrya*					*											
Proteaceae	*Hakea lorea*	*					*	*	*			*					
Pteridaceae	*Cheilanthes sieberi*				*												
Rubiaceae	*Psydrax latifolia*	*											*	*			
Rubiaceae	*Psydrax suaveolens*	*		*	*	*		*	*					*			
Santalaceae	*Anthobolus leptomerioides*	*			*	*											
Santalaceae	*Exocarpos sparteus*					*		*	*			*					
Santalaceae	*Santalum lanceolatum*								*								
Santalaceae	*Santalum spicatum*	*											*	*			
Sapindaceae	*Dodonaea viscosa*	*									*						
Sapindaceae	*Dodonaea viscosa* subsp. *angustissima*											*					
Scrophulariaceae	*Eremophila battii* subsp. *Granite Peaks*	*			*	*								*			
Scrophulariaceae	*Eremophila eriocalyx*	*						*									
Scrophulariaceae	*Eremophila forrestii* subsp. *forrestii*	*				*	*	*	*		*	*				*	
Scrophulariaceae	*Eremophila gilesii* subsp. *variabilis*	*		*	*				*					*	*		
Scrophulariaceae	*Eremophila glabra*	*															
Scrophulariaceae	*Eremophila latrobei* subsp. *latrobei*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	
Scrophulariaceae	*Eremophila longifolia*			*				*	*								
Scrophulariaceae	*Eremophila maculata* subsp. *brevifolia*	*		*													
Scrophulariaceae	*Eremophila miniata*	*	*	*						*					*	*	*
Scrophulariaceae	*Eremophila platycalyx*	*															
Scrophulariaceae	*Eremophila platycalyx* subsp. *platycalyx*							*	*		*	*					
Scrophulariaceae	*Eremophila platythamnos*											*					
Scrophulariaceae	*Eremophila punctata*	*															
Scrophulariaceae	*Eremophila scoparia*														*		
Solanaceae	*Anthotroche pannosa*							*	*		*	*					
Solanaceae	*Solanum centrale*				*	*											
Solanaceae	*Solanum ferocissimum*				*												
Solanaceae	*Solanum lasiophyllum*	*		*	*	*	*	*	*	*	*	*	*	*	*		
Solanaceae	*Solanum nummularium*														*		
Solanaceae	*Solanum orbiculatum*					*											
Stylidiaceae	*Stylidium humphreysii*					*			*								
Zygophyllaceae	*Roepera eremaea (A)*											*					

APPENDIX C:
VEGETATION CONDITION RATING

Vegetation Condition Rating	South West and Interzone Botanical Provinces	Eremaean and Northern Botanical Provinces
Pristine	Pristine or nearly so, no obvious signs of disturbance or damage caused by human activities since European settlement.	
Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species. Damage to trees caused by fire, the presence of non-aggressive weeds and occasional vehicle tracks.	Pristine or nearly so, no obvious signs of damage caused by human activities since European settlement.
Very Good	Vegetation structure altered, obvious signs of disturbance. Disturbance to vegetation structure caused by repeated fires, the presence of some more aggressive weeds, dieback, logging and grazing.	Some relatively slight signs of damage caused by human activities since European settlement. For example, some signs of damage to tree trunks caused by repeated fire, the presence of some relatively non-aggressive weeds, or occasional vehicle tracks.
Good	Vegetation structure significantly altered by very obvious signs of multiple disturbances. Retains basic vegetation structure or ability to regenerate it. Disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds, partial clearing, dieback and grazing.	More obvious signs of damage caused by human activity since European settlement, including some obvious impact on the vegetation structure such as that caused by low levels of grazing or slightly aggressive weeds.
Poor		Still retains basic vegetation structure or ability to regenerate it after very obvious impacts of human activities since European settlement, such as grazing, partial clearing, frequent fires or aggressive weeds.
Degraded	Basic vegetation structure severely impacted by disturbance. Scope for regeneration but not to a state approaching good condition without intensive management. Disturbance to vegetation structure caused by very frequent fires, the presence of very aggressive weeds at high density, partial clearing, dieback and grazing.	Severely impacted by grazing, very frequent fires, clearing or a combination of these activities. Scope for some regeneration but not to a state approaching good condition without intensive management. Usually with a number of weed species present including very aggressive species.
Completely Degraded	The structure of the vegetation is no longer intact, and the area is completely or almost completely without native species. These areas are often described as 'parkland cleared' with the flora comprising weed or crop species with isolated native trees and shrubs.	Areas that are completely or almost completely without native species in the structure of their vegetation; i.e., areas that are cleared or 'parkland cleared' with their flora comprising weed or crop species with isolated native trees or shrubs.

APPENDIX D:
QUADRAT LOCATIONS (NW CORNER-GDA2020)

Quadrat	Easting	Northing
Q1	754047	7023313
Q2	753544	7022868
Q3	752177	7021492
Q4	748520	7019587
Q5	746967	7018880
Q6	745006	7017473
Q7	742106	7016570
Q8	739476	7014945
Q9	735626	7013299
Q10	733360	7012588
Q11	734670	7011265
Q12	731442.4	7011293
Q13	726234	7009951
Q14	722326	7008534
Q15	721233	7007896
Q16	719641	7006582
Q17	717654.2	7005487
Q18	716567	7005592
Q19	713728	7005811
Q20	712218	7005990
Q21	709820	7006306
Q22	707881	7007080
Q23	705662	7007788
Q24	705420	7007166
Q25	703584	7008095
Q26	701252	7008891
Q27	698910	7008966
Q28	628480	6952439
Q29	627781	6950286
Q30	627472	6948600
Q31	624577	6939023
Q32	598124	6926655
Q33	599021	6927803

Quadrat	Easting	Northing
Q34	600932	6928857
Q35	602875	6929581
Q36	604651	6930469
Q37	607748	6933373
Q38	609818	6934070
Q39	612295	6934040
Q40	613954	6934428
Q41	616129	6935149
Q42	618611	6936770
Q43	626824	6946404
Q44	626366	6944611
Q45	625691	6942681
Q46	624053	6940548
Q47	622620	6938816
Q48	620852	6937800
Q49	609325	6934169
Q50	608073	6933498
Q51	698302.8	7008973
Q52	696462.6	7009098
Q53	694283.7	7008713
Q54	692009.3	7008570
Q55	689889.8	7008625
Q56	688567.4	7008249
Q57	686216.6	7007939
Q58	684010.5	7007782
Q59	681729.9	7007016
Q60	680070.7	7006675
Q61	677151.5	7006118
Q62	676571.8	7005017
Q63	674923.2	7003685
Q64	673014.8	7002492
Q65	671329.56	7000931
Q66	669191.8	6999442

Quadrat	Easting	Northing
Q67	666423	6998372
Q68	664758.1	6997099
Q69	661384	6996512
Q70	662328	6996307
Q71	659293.7	6995659
Q72	628949.4	6955651
Q73	628876.3	6957868
Q74	629011.6	6959928
Q75	629387.2	6961916
Q76	629302.9	6962254
Q77	629525.1	6964063
Q78	629666.6	6965434
Q79	630670.2	6967601
Q80	631435.9	6968391
Q81	632624.6	6970141
Q82	633882.5	6971282
Q83	636824.4	6969437
Q84	637049.1	6969227
Q85	634983.4	6971146
Q86	635880.5	6973361
Q87	637150.8	6975242
Q88	638300.3	6978770
Q89	640058.8	6980757
Q90	641407	6984027
Q91	642484.4	6986823
Q92	643837.4	6988409
Q93	645907.6	6990335
Q94	650495.3	6993457
Q95	649336.9	6993655
Q96	652527.4	6994094
Q97	653924.7	6994900
Q98	658324.1	6995462

APPENDIX E:
QUADRAT DATASHEETS

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 167 - 169
Quadrat No: 1	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 416m
Coordinates (GDA94): 51J 754047E; 7023313N		**Accuracy:** 1m
Aspect: South	**Fire (year burnt):** 2016	**Condition rating:** Very Good
Landform: Flat		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ Sandy loam		
%Cover leaf litter: 10%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: <10%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Acacia melleodora*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia melleodora
Eremophila forrestii subsp. *forrestii*
Grevillea eriostachya
Leptosema chambersii
Micromyrtus flaviflora
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 170-172
Quadrat No: 2	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 418m
Coordinates (GDA94): 51 J 753544E; 7022868N		**Accuracy:** 1m
Aspect: North	**Fire (yrs):** 1-2	**Condition rating:** Very Good
Landform: mid/lower slope		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Slow		
Soil (profile/field texture/soil surface): Red brown/ Sand		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia ligulata	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Aluta maisonneuvei
Aristida holathera (A)
Bonamia erecta
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Grevillea eriostachya
Grevillea juncifolia
Leptosema chambersii
Senna artemisioides subsp. *filifolia*
Trichodesma zeylanicum (A) (senesced)
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 173-175
Quadrat No: 3	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 410 m
Coordinates (GDA94): 51 J 752177E; 7021492N		**Accuracy:** 1m
Aspect: South	**Fire (yrs):** 18+	**Condition rating:** Very Good
Landform: Mid slope/ duneslope		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Slow		
Soil (profile/field texture/soil surface): Red Brown/ Sand		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: <10%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Grevillea eriostachya	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Aluta maisonneuvei
Alyogyne pinoniana
Anthotroche pannosa
Aristida holathera (A)
Eragrostis eriopoda
Grevillea eriostachya
Leptosema chambersii
Roepera eremaea (A)
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 176-178
Quadrat No: 4	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 413m
Coordinates (GDA94): 51 J 748520E; 7019587N		**Accuracy:** 1m
Aspect: West	**Fire (yrs):** Long unburnt	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red-brown/ Sand/ Soft		
%Cover leaf litter: 35%		
%Cover bare ground: 45%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia dictyophleba
Aluta maisonneuvei
Amphipogon caricinus
Anthotroche pannosa
Bonamia erecta
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Grevillea eriostachya
Gyrostemon ramulosus
Leptosema chambersii
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 179-181
Quadrat No: 5	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 421m
Coordinates (GDA94): 51 J 746967E; 7018880N		**Accuracy:** 1m
Aspect: North East	**Fire (yrs):** 25+	**Condition rating:** Very Good
Landform: Upper slope/ Duneslope		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Moderately rapid		
Soil (profile/field texture/soil surface): Red brown/ sand		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia ligulata	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Aluta maisonneuvei
Aristida holathera (A)
Chrysocephalum puteale
Dodonaea viscosa subsp. angustissima
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila platycalyx subsp. *platycalyx*
Grevillea eriostachya
Alyogyne pinoniana
Leptosema chambersii
Micromyrtus flaviflora
Senna artemisioides subsp. *filifolia*
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 183-185
Quadrat No: 6	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 415m
Coordinates (GDA94): 51 J 745006E; 7017473N		**Accuracy:** 1m
Aspect: North East	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Mid/lower slope/ Duneslope		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Slow		
Soil (profile/field texture/soil surface): Red brown/ sand/ soft		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Grevillea eriostachya	*Aluta maisonneuvei*	*Triodia basedowii*
Grevillea juncifolia		

ALL TAXA
Acacia dictyophleba
Acacia ligulata
Aluta maisonneuvei
Anthotroche pannosa
Eragrostis eriopoda
Grevillea eriostachya
Grevillea juncifolia
Leptosema chambersii
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 186-188
Quadrat No: 7	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 429m
Coordinates (GDA94): 51 J 742106E; 7016570N		**Accuracy:** 1m
Aspect: North	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat/ Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ Subrounded		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ Firm		
%Cover leaf litter: 35%		
%Cover bare ground: 50%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 30-70%	**Crown cover:**10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia caesaneura	*Eremophila forrestii* subsp. *forrestii*	*Triodia basedowii*

ALL TAXA
Acacia caesaneura
Acacia pteraneura
Amphipogon caricinus
Androcalva loxophylla
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. *latrobei*
Leptosema chambersii
Micromyrtus flaviflora
Psydrax latifolia
Seringia exastia (T)
Triodia basedowii

Project Name: Great Central Road		
Date: 02/08/2023	**Botanist:** JW + JJ	**Photo number (NW corner):** 191-193
Quadrat No: 8	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 453m
Coordinates (GDA94): 51 J 739476E; 7014945N		**Accuracy:**
Aspect: North	**Fire (yrs):** 20+	**Condition rating:** Good
Landform: Flat/ plain		
Coarse fragments on the surface: Very; abundant (50-90%)/ Medium gravelly; Medium pebbles (6-20mm)/Subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: <10m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia aptaneura	*Eremophila latrobei* subsp. *latrobei*	*Eriachne mucronata*

ALL TAXA
Acacia aptaneura
Aristida holathera (A)
Cynanchum viminale subsp. australe
Eragrostis eriopoda
Eremophila latrobei subsp. l*atrobei*
Eriachne mucronata
Halgania cyanea
Ptilotus schwartzii
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 199-201
Quadrat No: 9	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 431 m
Coordinates (GDA94): 51 J 735626E; 7013299N		**Accuracy:**
Aspect: North	**Fire (yrs):** 13	**Condition rating:** Very good
Landform: Flat/Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ sandy loam		
%Cover leaf litter: 40%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ligulata
Aluta maisonneuvei
Bonamia erecta
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Exocarpos sparteus
Grevillea juncifolia
Leptosema chambersii
Santalum lanceolatum
Senna artemisioides subsp. filifolia
Seringia exastia (T) 100+ plants
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 203-205
Quadrat No: 10	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 442m
Coordinates (GDA94): 51 J 733360E; 7012588N		**Accuracy:** 1m
Aspect: South	**Fire (yrs):** 13	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Medium gravelly; medium pebbles (6-20mm)/ Subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia caesaneura	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia caesaneura
Acacia incurvaneura
Aluta maisonneuvei
Anthobolus leptomerioides
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. l*atrobei*
Psydrax latifolia
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 206-208
Quadrat No: 11	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 440m
Coordinates (GDA94): 51 J 734670E; 7011264N		**Accuracy:**
Aspect: South-East	**Fire (yrs):** 13	**Condition rating:** Very good
Landform: Flat/Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ Subrounded		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ clay loam/ Firm		
%Cover leaf litter: 35%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 1-3m	**Height:** <1m
Crown cover: 30- 70%	**Crown cover:** 30- 70%	**Crown cover:** 30- 70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia tetragonophylla
Eragrostis eriopoda
Eremophila eriocalyx
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. l*atrobei*
Eremophila punctata
Eriachne mucronata
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 211-213m
Quadrat No: 12	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 440m
Coordinates (GDA94): 51 J 731442E; 7011293N		**Accuracy:**
Aspect: East	**Fire (yrs):** 13	**Condition rating:** Very good
Landform: Flat/Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ Subrounded		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ clay loam/ Firm		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30- 70%	**Crown cover:** 30- 70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia aptaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia aptaneura
Acacia pachyacra
Anthobolus leptomerioides
Codonocarpus cotinifolius
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. l*atrobei*
Hakea lorea
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 215-217
Quadrat No: 13	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m): 437** m
Coordinates (GDA94): 51 J 726234.7E; 7009951N		**Accuracy:** 2
Aspect: North	**Fire (yrs):** 20+	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ Sand/ Soft		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** <1m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Acacia pachyacra
Aluta maisonneuvei
Androcalva loxophylla
Bonamia erecta
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Grevillea eriostachya
Leptosema chambersii
Micromyrtus flaviflora
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 219-221
Quadrat No: 14	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 449m
Coordinates (GDA94): 51 J 722326E; 7008534N		**Accuracy:** 1m
Aspect: West	**Fire (yrs):** 5-10	**Condition rating:** Good
Landform: Flat/ Plain		
Coarse fragments on the surface: No qualifier; common (10-20%)/ Fine gravelly; small pebbles/ Subrounded		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ silty loam/ firm		
%Cover leaf litter: 10%		
%Cover bare ground:70%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form:	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height:	**Height:** 0.5-1m	**Height:** <1m
Crown cover:	**Crown cover:** 10-30%	**Crown cover:** 70-100%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia sp. (burnt)	*Eremophila forrestii*	*Eragrostis eriopoda*

ALL TAXA
Acacia sp. (burnt)
Androcalva loxophylla.
Aristida holathera (A)
Brunonia australis (A)
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Leptosema chambersii
Scaevola basedowii
Seringia exastia (T)
Triodia basedowii

Project Name: Great Central Road		
Date: 02/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 222-224
Quadrat No: 15	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 433 m
Coordinates (GDA94): 51 J 721233E; 7007896N		**Accuracy:** 1m
Aspect: West	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat/ Plain		
Coarse fragments on the surface: Common (10-20%)/ Medium gravelly; medium pebbles (6-20mm)/ subangular		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ Firm		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia incurvaneura
Amphipogon caricinus
Aristida holathera (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eremophila punctata
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 225-227
Quadrat No: 16	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):**
Coordinates (GDA94): 51 J 719641E; 7006582N		**Accuracy:**
Aspect: South-West	**Fire (yrs):** Long unburnt	**Condition rating:** Very Good
Landform: Flat Plain - Bottom third of the height of the landform element		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ sandy loam/ soft		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: <10%	**Crown cover:** 30-70%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pachyacra	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia helmsiana
Acacia pachyacra
Aluta maisonneuvei
Androcalva loxophylla
Grevillea eriostachya
Grevillea juncifolia
Gyrostemon ramulosus
Micromyrtus flaviflora
Scaevola basedowii
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 228-230
Quadrat No: 17	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 442
Coordinates (GDA94): 717654.2E; 7005487.1N		**Accuracy:**
Aspect: South	**Fire (yrs):** <5 years	**Condition rating:** Very Good
Landform: Flat plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ Subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ soft/ some surface crust		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ligulata
Acacia pachyacra
Acacia pruinocarpa
Amphipogon caricinus
Androcalva loxophylla
Anthobolus leptomerioides
Aristida holathera (A)
Brunonia australis (A)
Codonocarpus cotinifolius
Dicrastylis exsuccosa
Eragrostis eriopoda
Eremophila battii subsp. *granite peaks*
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. *latrobei*
Goodenia mimuloides (A)
Gyrostemon ramulosus
Sida ammophila
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 231-233
Quadrat No: 18	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 459m
Coordinates (GDA94): 51J 716567E; 7005592N		**Accuracy:**
Aspect: East	**Fire (yrs):** 20+ years	**Condition rating:** Good, diggings
Landform: Flat plain/ top third		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ Subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 35		
%Cover bare ground: 55		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia pruinocarpa
Acacia pteraneura
Aristida holathera (A)
Eragrostis eriopoda
Eremophila battii subsp. *granite peaks*
Eremophila latrobei subsp. *latrobei*
Grevillea berryana
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 239-241
Quadrat No: 19	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 461
Coordinates (GDA94): 51 J 713728.6E; 7005811N		**Accuracy:**
Aspect: East	**Fire (yrs):** part 5/ part long unburnt	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ Subrounded		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ soft/ some surface crust		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia caesaneura
Acacia incurvaneura
Acacia pteraneura
Brunonia australis (A) (senesced)
Codonocarpus cotinifolius
Eragrostis eriopoda
Eremophila battii subsp. *granite peaks*
Eremophila latrobei subsp. *latrobei*
Eremophila punctata
Sida sp. excedentifolia
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 242-244
Quadrat No: 20	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 457m
Coordinates (GDA94): 51J 712218E; 7005990N		**Accuracy:**
Aspect: East	**Fire (yrs):** 2-3 years	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ Subangular		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ Sandy loam/ soft		
%Cover leaf litter: <10%		
%Cover bare ground: 80%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Codonocarpus cotinifolius	*Androcalva loxophylla*	*Eragrostis eriopoda*

ALL TAXA
Androcalva loxophylla
Aristida holathera (A)
Codonocarpus cotinifolius
Dicrastylis doranii
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Goodenia mimuloides (A)
Goodenia rosea (A)
Kennedia prorepens
Sida sp. excedentifolia
Solanum centrale

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 245-247
Quadrat No: 21	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 459m
Coordinates (GDA94): 51J 709820E; 7006306N		**Accuracy:**
Aspect: East	**Fire (yrs):** 5-10 years	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ sandy loam/ soft		
%Cover leaf litter: <10%		
%Cover bare ground: 75%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height:3-6m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: <1%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Grevillea extorris	*Eremophila forrestii* subsp. *forrestii*	*Triodia basedowii*

ALL TAXA
Acacia acanthoclada
Amphipogon caricinus
Androcalva loxophylla
Dicrastylis doranii
Eremophila forrestii subsp. *forrestii*
Exocarpos sparteus
Grevillea eriostachya
Leptosema chambersii
Petalostylis cassioides
Scaevola basedowii
Seringia exastia (T)
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 248-250
Quadrat No: 22	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 457m
Coordinates (GDA94): 51 J 707881.1E; 7007080N		**Accuracy:**
Aspect: East	**Fire (yrs):** 20+	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No qualifier; common (10-20%)/ Fine gravelly; small pebbles (2-6mm)/ subrounded		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 20%		
%Cover bare ground: 70%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** <10%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Abutilon cryptopetalum
Acacia incurvaneura
Anthobolus leptomerioides
Aristida holathera (A)
Cheilanthes sieberi
Eragrostis eriopoda
Eremophila battii subsp. *Granite peaks*
Eremophila latrobei subsp. *latrobei*
Eriachne mucronata
Grevillea berryana
Ptilotus schwartzii
Senna artemisioides subsp. *helmsii*
Solanum lasiophyllum

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 252-254
Quadrat No: 23	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 454m
Coordinates (GDA94): 51 J 705662.5E; 7007788N		**Accuracy:**
Aspect: North-East	**Fire (yrs):** <5	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Medium gravelly; medium pebbles (6-20mm), subrounded		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm/ surface crust		
%Cover leaf litter: 25%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** <10%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia aptaneura
Acacia dictyophleba
Acacia helmsiana
Acacia incurvaneura
Acacia melleodora
Acacia pruinocarpa
Amphipogon caricinus
Androcalva loxophylla
Anthobolus leptomerioides
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. *latrobei*
Exocarpos sparteus
Grevillea berryana
Scaevola basedowii
Solanum orbiculatum
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 255-257
Quadrat No: 24	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 454
Coordinates (GDA94):51 J 705420.4E; 7007166N		**Accuracy:**
Aspect: South	**Fire (yrs):** 6 months	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: Very abundant (50-90%)/ Medium gravelly; medium pebbles (6-20mm)/ Subangular		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 20%		
%Cover bare ground: 70%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia aptaneura
Acacia incurvaneura
Aristida holathera (A)
Eragrostis eriopoda
Eremophila battii subsp. *granite peaks*
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. *latrobei*
Eriachne mucronata
Ptilotus schwartzii
Senna artemisioides subsp. helmsii
Solanum lasiophyllum

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 258-260
Quadrat No: 25	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 435 m
Coordinates (GDA94): 51J 703584E; 7008095N		**Accuracy:**
Aspect: South	**Fire (yrs):** 10+ years	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ sandy loam/ soft		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Grevillea stenobotrya	*Micromyrtus flaviflora*	*Triodia basedowii*

ALL TAXA
Acacia dictyophleba
Aluta maisonneuvei
Amphipogon caricinus
Androcalva loxophylla
Bonamia erecta
Grevillea eriostachya
Grevillea stenobotrya
Leptosema chambersii
Microcorys macredieana
Micromyrtus flaviflora
Scaevola basedowii
Stylidium humphreysii
Triodia basedowii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 261-263
Quadrat No: 26	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 437m
Coordinates (GDA94): 51J 701252E; 7008891N		**Accuracy:**
Aspect: South	**Fire (yrs):** 20+ years	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very Slow		
Soil (profile/field texture/soil surface): Red brown/ sandy loam/ soft		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Eremophila forrestii* subsp. *forrestii*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Acacia pachyacra
Aluta maisonneuvei
Amphipogon caricinus
Androcalva loxophylla
Baeckea sp. Great Victoria Desert
Bonamia erecta
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila platycalyx subsp. *platycalyx*
Eucalyptus youngiana
Grevillea juncifolia
Grevillea pterosperma
Microcorys macredieana
Micromyrtus flaviflora
Stylidium humphreysii
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 03/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 264**- 260**
Quadrat No: 27	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 452
Coordinates (GDA94): 698910.0E; 7008966.2N		**Accuracy:** 1m
Aspect: East	**Fire (yrs):** 12+ years	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No qualifier; common (10-20%)/ Medium gravelly; medium pebbles (6-20mm)/ Subrounded		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 35%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia caesaneura
Acacia incurvaneura
Acacia ligulata
Acacia pachyacra
Acacia pruinocarpa
Amphipogon caricinus
Androcalva loxophylla
Aristida holathera
Dicrastylis doranii
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Psydrax suaveolens
Ptilotus obovatus
Scaevola spinescens
Solanum centrale
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 270-272
Quadrat No: 28	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 379m
Coordinates (GDA94): 51J 628480E; 6952439N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long unburnt	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ sandy clay loam/ soft/ some surface crust		
%Cover leaf litter: 25%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Senna artemisioides* subsp. *filifolia*	*Eragrostis eriopoda*

ALL TAXA
Acacia caesaneura
Acacia incurvaneura
Acacia ramulosa
Aristida contorta (A)
Enchylaena tomentosa
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eucalyptus youngiana
Monachather paradoxus
Psydrax suaveolens
Ptilotus obovatus
Senna artemisioides subsp. *filifolia*
Teucrium teucriiflorum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 273-275
Quadrat No: 29	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 379m
Coordinates (GDA94): 51J 627781E; 6950286N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long unburnt	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Acacia ramulosa*	*Eragrostis eriopoda*

ALL TAXA
Acacia incurvaneura
Acacia ramulosa
Codonocarpus cotinifolius
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Solanum lasiophyllum

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 276-278
Quadrat No: 30	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 383
Coordinates (GDA94): 627472.3E; 6948600.7N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long unburnt	**Condition rating:** Very good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ soft/ some surface crust		
%Cover leaf litter: 25%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia ayersiana
Acacia incurvaneura
Acacia pteraneura
Acacia ramulosa
Aristida contorta (A)
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. *latrobei*
Psydrax suaveolens
Ptilotus obovatus
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 279-281
Quadrat No: 31	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 413
Coordinates (GDA94): 624577.1E; 6939023.1N		**Accuracy:**
Aspect: North	**Fire (yrs):** Long unburnt	**Condition rating:** Good
Landform: Flat Plain		
Coarse fragments on the surface: Very; abundant (50-90%)/ medium gravelly; medium pebbles (6-20mm)/ subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 25%		
%Cover bare ground: 70%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eriachne mucronata
Psydrax latifolia
Psydrax suaveolens
Ptilotus obovatus
Senna artemisioides subsp. *×sturtii*
Sida calyxhymenia
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 282 - 284
Quadrat No: 32	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 390m
Coordinates (GDA94): 51J 598124E; 6926655N		**Accuracy:**
Aspect: East	**Fire (yrs):** 10 years	**Condition rating:** Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ surface crust		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree mallee (>8m)	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Acacia incurvaneura*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia pteraneura
Codonocarpus cotinifolius
Enchylaena tomentosa
Eragrostis eriopoda
Eucalyptus youngiana
Monachather paradoxus
Ptilotus obovatus
Rhagodia eremaea
Solanum centrale
Solanum ferocissimum
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 285-287
Quadrat No: 33	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 390m
Coordinates (GDA94): 51J 599021E; 6927803N		**Accuracy:** 1m
Aspect: West	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ sandy clay loam/ soft		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Eremophila forrestii*	*Triodia basedowii*

ALL TAXA
Goodenia centralis (A)
Acacia helmsiana
Alyogyne pinoniana
Aristida contorta (A)
Codonocarpus cotinifolius
Dicrastylis exsuccosa
Eremophila eriocalyx
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Goodenia azurea subsp. *hesperia*
Hakea lorea
Halgania erecta
Ptilotus obovatus
Scaevola basedowii
Sida sp. Golden calyces glabrous (H.N. Foote 32)
Themeda triandra
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 288-290
Quadrat No: 34	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 402m
Coordinates (GDA94): 51J 600932E; 6928857N		**Accuracy:** 1m
Aspect: West	**Fire (yrs):** 10 years	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ sandy clay loam/ soft/ some surface crust		
%Cover leaf litter: 25%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Acacia ligulata*	*Triodia basedowii*

ALL TAXA
Goodenia centralis (A)
Acacia helmsiana
Acacia incurvaneura
Acacia ligulata
Acacia murrayana
Acacia pachyacra
Aristida holathera (A)
Codonocarpus cotinifolius
Dicrastylis exsuccosa
Eremophila longifolia
Goodenia rosea (A)
Halgania erecta
Kennedia prorepens
Scaevola basedowii
Senna notabilis
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 292-294
Quadrat No: 35	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):**
Coordinates (GDA94): 51J 602875E; 6929581N		**Accuracy:**
Aspect: South	**Fire (yrs):** 10 years	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Medium gravelly; medium pebbles (6-20mm)/ subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm		
%Cover leaf litter: 40%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ramulosa
Aristida holathera (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 297-299
Quadrat No: 36	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 402m
Coordinates (GDA94): 51J 604651E; 6930469N		**Accuracy:**
Aspect: South	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No qualifier; common (10-20%)/ Fine gravelly; small pebbles (2-6mm)/ subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ sandy clay loam/ firm		
%Cover leaf litter: 35%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Acacia incurvaneura*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Enchylaena tomentosa
Eragrostis eriopoda
Eucalyptus youngiana
Psydrax suaveolens
Ptilotus obovatus
Solanum lasiophyllum
Teucrium teucriiflorum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 306-308
Quadrat No: 37	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 408m
Coordinates (GDA94): 51J 607748E; 6933373N		**Accuracy:**
Aspect: South	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: Moderately; many (20-50%)/ Fine gravelly; small pebbles (2-6mm)/ subangular		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm/ some surface crust		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ramulosa
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 309-311
Quadrat No: 38	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 408m
Coordinates (GDA94): 51J 609818E; 6934070N		**Accuracy:**
Aspect: Southwest	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ clay loam/ firm/ surface crust		
%Cover leaf litter: 25%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia aptaneura
Acacia incurvaneura
Acacia ligulata
Acacia ramulosa
Aristida contorta (A)
Enchylaena tomentosa
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. *latrobei*
Eucalyptus youngiana
Rhagodia eremaea
Teucrium teucriiflorum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 704-706
Quadrat No: 39	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 415m
Coordinates (GDA94): 51J 612295E; 6934040N		**Accuracy:**
Aspect: North	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ Sandy loam/ soft		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Acacia ligulata*	*Triodia basedowii*

ALL TAXA
Abutilon otocarpum
Acacia ayersiana
Acacia incurvaneura
Acacia ligulata
Alyogyne pinoniana
Aristida holathera (A)
Enchylaena tomentosa
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. *latrobei*
Eremophila longifolia
Eucalyptus youngiana
Psydrax suaveolens
Ptilotus obovatus
Rhagodia eremaea
Salsola australis
Senna artemisioides subsp. *×sturtii*
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 315 - 317
Quadrat No: 40	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 415m
Coordinates (GDA94): 51J 613954E; 6934428N		**Accuracy:**
Aspect: West	**Fire (yrs):** 10 years	**Condition rating:** Very Good
Landform: Flat Plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red brown/ Sandy loam/ soft		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus gongylocarpa	*Acacia ligulata*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Alyogyne pinoniana
Aristida holathera (A)
Bonamia erecta
Codonocarpus cotinifolius
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila longifolia
Eremophila platycalyx subsp. *platycalyx*
Eucalyptus gongylocarpa
Eucalyptus youngiana
Euphorbia tannensis (A)
Exocarpos sparteus
Salsola australis (A)
Scaevola restiacea
Senna artemisioides subsp. *filifolia*
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 320-322
Quadrat No: 41	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 419m
Coordinates (GDA94): 51J 616129E; 6935149N		**Accuracy:**
Aspect: North	**Fire (yrs):** Long unburnt	**Condition rating:** Very Good
Landform: Mid slope/ Hillslope		
Coarse fragments on the surface: Very; abundant (50-90%)/ Coarse gravelly; large pebbles (20-60mm)/ Subangular		
Rock outcrop (abundance/runoff): Slow		
Soil (profile/field texture/soil surface): Brown/ Clay loam/ firm		
%Cover leaf litter: 25%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Shrub
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia mulganeura	*Senna artemisioides* subsp. *×sturtii*	*Ptilotus obovatus*

ALL TAXA
Acacia mulganeura
Acacia pteraneura
Acacia quadrimarginea
Amyema preissii
Aristida contorta (A)
Enchylaena tomentosa
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Psydrax latifolia
Ptilotus obovatus
Salsola australis (A)
Santalum spicatum
Sclerolaena cornishiana (A)
Senna artemisioides subsp. *×sturtii*
Senna artemisioides subsp. *artemisioides*
Senna artemisioides subsp. *helmsii*
Sida sp. Golden calyces glabrous (H.N. Foote 32)
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 04/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 323-325
Quadrat No: 42	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 419m
Coordinates (GDA94): 51J 616129E; 6935149N		**Accuracy:**
Aspect: North	**Fire (yrs):** 13	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ sandy loam		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Shrub
Height: 3-6m	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Acacia ligulata*	*Triodia basedowii*

ALL TAXA
Abutilon otocarpum
Acacia helmsiana
Acacia ligulata
Acacia mulganeura
Alyogyne pinoniana
Aristida holathera (A)
Eragrostis eriopoda
Eucalyptus youngiana
Exocarpos sparteus
Scaevola basedowii
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Teucrium teucriiflorum
Triodia basedowii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 330-332
Quadrat No: 43	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 393m
Coordinates (GDA94): 51J 626824E; 6946404N		**Accuracy:**
Aspect: South	**Fire (yrs):** 20+	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ clay loam/ soft/ some surface crust		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Shrub
Height: 3-6m	**Height:** 0.5-1m	**Height:** 0.5-1m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia ayersiana
Acacia caesaneura
Acacia incurvaneura
Amyema maidenii
Amyema miquelii
Codonocarpus cotinifolius
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. *latrobei*
Euphorbia tannensis
Psydrax suaveolens
Ptilotus obovatus
Salsola australis (A)
Sclerolaena cornishiana
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 339-341
Quadrat No: 44	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 402m
Coordinates (GDA94): 51J 626366E; 6944611N		**Accuracy:**
Aspect: South East	**Fire (yrs):** Long unburnt	**Condition rating:** Very Good
Landform: Mid slope/ duneslope		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Moderately rapid		
Soil (profile/field texture/soil surface): Red Brown/ sand/ soft		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Shrub
Height: 6-12m	**Height:** 0.5-1m	**Height:** 0.5-1m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus gongylocarpa	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Abutilon leucopetalum
Acacia incurvaneura
Acacia ramulosa
Alyogyne pinoniana
Anthotroche pannosa
Aristida holathera (A)
Dicrastylis doranii
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. *latrobei*
Eremophila platycalyx subsp. *platycalyx*
Eucalyptus gongylocarpa
Gyrostemon ramulosus
Kennedia prorepens
Ptilotus obovatus
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Trichodesma zeylanicum (A)
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 349-351
Quadrat No: 45	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 395m
Coordinates (GDA94): 51J 625691E; 6942681N		**Accuracy:**
Aspect: North	**Fire (yrs):** 20+ years	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ sand/ soft		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock grass
Height: 3-6m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Aluta maisonneuvei
Alyogyne pinoniana
Anthotroche pannosa
Aristida holathera (A)
Codonocarpus cotinifolius
Corynotheca divaricata
Dicrastylis doranii
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Scaevola restiacea
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 352-354
Quadrat No: 46	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 401m
Coordinates (GDA94): 51J 624053E; 6940548N		**Accuracy:**
Aspect: West	**Fire (yrs):** Long unburnt	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ sandy clay loam/ soft		
%Cover leaf litter: 25%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** <10%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda*

ALL TAXA
Acacia caesaneura
Acacia incurvaneura
Acacia ligulata
Acacia ramulosa
Aristida contorta (A)
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. *latrobei*
Psydrax suaveolens
Rhagodia eremaea
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 355-357
Quadrat No: 47	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 408m
Coordinates (GDA94): 51J 622620E; 6938816N		**Accuracy:**
Aspect: South	**Fire (yrs):** 13	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ sandy clay loam/ soft/ some surface crust		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Sod grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** <10%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Grevillea juncifolia*	*Triodia basedowii*

ALL TAXA
Amphipogon caricinus
Androcalva loxophylla
Aristida holathera (A)
Codonocarpus cotinifolius
Dicrastylis doranii
Eucalyptus youngiana
Exocarpos sparteus
Grevillea juncifolia
Leptosema chambersii
Neurachne muelleri
Scaevola basedowii
Senna notabilis
Sida ectogama
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 360-362
Quadrat No: 48	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):** 412m
Coordinates (GDA94): 51J 620852E; 6937800N		**Accuracy:**
Aspect: South	**Fire (yrs):** 13	**Condition rating:** Very Good
Landform: Mid slope/ dune slope		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Moderately rapid		
Soil (profile/field texture/soil surface): Red Brown/ Sand/ soft		
%Cover leaf litter: 20%		
%Cover bare ground: 70%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia helmsiana
Acacia incurvaneura
Aluta maisonneuvei
Androcalva loxophylla
Anthotroche pannosa
Aristida holathera (A)
Corynotheca divaricata
Daviesia ulicifolia subsp. *aridicola*
Dicrastylis doranii
Eragrostis eriopoda
Eucalyptus gongylocarpa
Eucalyptus youngiana
Euphorbia tannensis
Gyrostemon ramulosus
Kennedia prorepens
Senna artemisioides subsp. *filifolia*
Triodia basedowii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 363-365
Quadrat No: 49	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):**
Coordinates (GDA94): 51J 609325E; 6934169N		**Accuracy:**
Aspect: West	**Fire (yrs):** Long unburnt	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ clay loam/ firm/ some surface crust		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Shrub Mallee (<8m)	**Growth form:** Shrub	**Growth form:** Hummock grass
Height: 6-12m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus lucasii	*Acacia incurvaneura*	*Triodia basedowii*

ALL TAXA
Abutilon leucopetalum
Acacia helmsiana
Acacia incurvaneura
Acacia ligulata
Aristida contorta (A)
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. *latrobei*
Eucalyptus lucasii
Psydrax suaveolens
Ptilotus obovatus
Senna artemisioides subsp. *filifolia*
Triodia basedowii

Project Name: Great Central Road		
Date: 05/05/2025	**Botanist:** JW + JJ	**Photo number (NW corner):** 366-368
Quadrat No: 50	**Quadrat size/shape:** 50m x50m/ Square	**Elevation (m):**
Coordinates (GDA94): 51J 608073E; 6933498N		**Accuracy:**
Aspect: West	**Fire (yrs):** Long unburnt	**Condition rating:** Very Good
Landform: Flat/ plain		
Coarse fragments on the surface: No coarse fragments		
Rock outcrop (abundance/runoff): Very slow		
Soil (profile/field texture/soil surface): Red Brown/ clay loam/ soft/ some surface crust		
%Cover leaf litter: 30%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Acacia ligulata*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ligulata
Acacia pruinocarpa
Aristida holathera (A)
Dicrastylis exsuccosa
Eremophila latrobei subsp. *latrobei*
Eucalyptus lucasii
Sida ectogama
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 296-298
Quadrat No: 51	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 459.9m
Coordinates (GDA94): 51J 698302.8E 7008973N		**Accuracy:**
Aspect: South	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Soft		
%Cover leaf litter: 10%		
%Cover bare ground: 70%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: <10%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia ayersiana	*Acacia rhodophloia*	*Triodia schinzii*

ALL TAXA
Acacia ayersiana
Acacia rhodophloia
Amphipogon caricinus
Androcalva loxophylla
Codonocarpus cotinifolius
Dicrastylis doranii
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Petalostylis cassioides
Prostanthera sericea
Ptilotus schwartzii
Scaevola basedowii
Seringia exastia (T)
Solanum lasiophyllum
Triodia schinzii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 299-301
Quadrat No: 52	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 470.3m
Coordinates (GDA94): 51J 696462.6E 7009098N		**Accuracy:**
Aspect: North	**Fire (yrs):** 20+ years	**Condition rating:** Very Good
Landform: Midslope / Duneslope / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: No Coarse Fragments		
Rock outcrop (abundance/runoff): Nil / Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sand / Soft		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		

Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: <10%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Acacia melleodora*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Acacia melleodora
Aluta maisonneuvei
Anthotroche pannosa
Aristida contorta (A)
Chrysocephalum puteale
Eucalyptus youngiana
Exocarpos sparteus
Grevillea pterosperma
Gyrostemon ramulosus
Halgania glabra
Halgania cyanea
Lomandra leucocephala
Pityrodia loricata
Scaevola parvifolia subsp. *parvifolia*
Trichodesma zeylanicum (A)
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 302-304
Quadrat No: 53	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 450.8m
Coordinates (GDA94): 51J 694283.7E 7008713N		**Accuracy:** 1m
Aspect: South West	**Fire (yrs):** 20 years	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: No Coarse Fragments		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Loam / Soft		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Acacia ligulata*	*Triodia basedowii & Triodia schinzii*

ALL TAXA
Acacia ligulata
Alyogyne pinoniana
Amphipogon caricinus
Androcalva loxophylla
Bonamia erecta
Dicrastylis doranii
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Exocarpos sparteus
Grevillea eriostachya
Scaevola basedowii
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 305-307
Quadrat No: 54	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 461.4m
Coordinates (GDA94): 51J 692009.3E 7008570N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia melvillei*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Eriachne mucronata
Eremophila latrobei subsp. *latrobei*
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 308-310
Quadrat No: 55	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 702.8m
Coordinates (GDA94): 51J 689889.8E 7008625N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eriachne mucronata
Solanum lasiophyllum
Triodia basedowii
Teucrium teucriiflorum

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 311-312
Quadrat No: 56	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 459m
Coordinates (GDA94): 51J 688567.4E 7008249N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii & Triodia melvillei*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Eremophila latrobei subsp. *latrobei*
Eremophila punctata
Eriachne mucronata
Grevillea berryana
Prostanthera sericea
Sida ectogama
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 314-316
Quadrat No: 57	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 448.6m
Coordinates (GDA94): 581J 686216.6E 7007939N		**Accuracy:**
Aspect: East	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 15%		
%Cover bare ground: 70%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 1-3m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Eremophila forrestii* subsp. *forrestii*	*Triodia basedowii*

ALL TAXA
Acacia ayersiana
Acacia helmsiana
Acacia ligulata
Acacia pachyacra
Acacia pruinocarpa
Amphipogon caricinus
Androcalva loxophylla
Dicrastylis doranii
Eremophila forrestii subsp. *forrestii*
Hakea lorea
Scaevola basedowii
Triodia basedowii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 317-319
Quadrat No: 58	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 452.8m
Coordinates (GDA94): 51J 684010.5E 7007782N		**Accuracy:**
Aspect: South East	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eremophila punctata
Eriachne mucronata
Hakea lorea
Prostanthera sericea
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 320-322
Quadrat No: 59	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 477.3m
Coordinates (GDA94): 51J 681729.9E 7007016N		**Accuracy:**
Aspect: North	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Slightly (2-10%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia aptaneura	*Melaleuca interioris*	*Triodia basedowii*

ALL TAXA
Acacia aptaneura
Acacia incurvaneura
Acacia mulganeura
Androcalva loxophylla
Aristida contorta (A)
Eragrostis eriopoda
Eremophila battii subsp. Granite Peaks
Melaleuca interioris
Seringia exastia (T)
Triodia basedowii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 323-325
Quadrat No: 60	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 450.7m
Coordinates (GDA94): 51J 680070.7E 7006675N		**Accuracy:**
Aspect: South East	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Common (10-20%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 25%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** <10%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia mulganeura
Aristida contorta (A)
Eragrostis eriopoda
Eremophila battii subsp. Granite Peaks
Eremophila latrobei subsp. *latrobei*
Triodia basedowii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 326-328
Quadrat No: 61	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 458.5m
Coordinates (GDA94): 51J 677151.5E 7006118N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 25%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eriachne mucronata*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eriachne mucronata
Grevillea berryana
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 329-331
Quadrat No: 62	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 454
Coordinates (GDA94): 676571.8E; 7005016.5N		**Accuracy:**
Aspect: South	**Fire (yrs):** 12	**Condition rating:** Very Good
Landform: Midlsope / Duneslope / No Effective Disturbance Except for Grazing Animals		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sand / Soft		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form:	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height:	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover:	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Nothing dominant	*Aluta maisonneuvei & Acacia ligulata*	*Triodia schinzii*

ALL TAXA
Acacia helmsiana
Acacia ligulata
Aluta maisonneuvei
Androcalva loxophylla
Anthotroche pannosa
Aristida contorta (A)
Chrysocephalum puteale
Corynotheca divaricata
Eragrostis eriopoda
Eremophila platythamnos
Grevillea eriostachya
Leptosema chambersii
Senna artemisioides subsp. *filifolia*
Trichodesma zeylanicum (A)
Triodia schinzii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 322-324
Quadrat No: 63	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 440.4m
Coordinates (GDA94): 51J 674923.2E 7003685N		**Accuracy:**
Aspect: South	**Fire (yrs):** 20 years	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus lucasii	*Acacia aptaneura*	*Triodia basedowii*

ALL TAXA
Acacia aptaneura
Acacia incurvaneura
Acacia ligulata
Acacia tetragonophylla
Androcalva loxophylla
Aristida contorta (A)
Eremophila latrobei subsp. *latrobei*
Eremophila longifolia
Eucalyptus lucasii
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 335-337
Quadrat No: 64	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 450m
Coordinates (GDA94): 51J 673014.8E 7002492N		**Accuracy:**
Aspect: East	**Fire (yrs):** 12	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Very Slightly (<2%) / Fine, Small Pebbles (2-6mm) / Subrounded		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Loam / Soft		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: <10%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Exocarpos sparteus*	*Triodia basedowii & Triodia melvillei*

ALL TAXA
Acacia dictyophleba
Acacia pachyacra
Amphipogon caricinus
Androcalva loxophylla
Codonocarpus cotinifolius
Dicrastylis doranii
Dicrastylis exsuccosa
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Exocarpos sparteus
Goodenia xanthosperma
Grevillea eriostachya
Gyrostemon ramulosus
Leptosema chambersii
Scaevola basedowii
Sida ectogama
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 338-340
Quadrat No: 65	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 446
Coordinates (GDA94): 671329.5E; 7000930.6N		**Accuracy:**
Aspect: East	**Fire (yrs):** 12	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Loam / Soft		
%Cover leaf litter: 30%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Eremophila forrestii* subsp. *forrestii*	*Triodia melvillei*

ALL TAXA
Acacia mulganeura
Androcalva loxophylla
Codonocarpus cotinifolius
Dicrastylis doranii
Dicrastylis exsuccosa
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eucalyptus youngiana
Exocarpos sparteus
Leptosema chambersii
Seringia exastia (T)
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 14:03 (JJ)
Quadrat No: 66	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 447.3m
Coordinates (GDA94): 51J 669191.8E 6999442N		**Accuracy:**
Aspect: East	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Surface Crust		
%Cover leaf litter: 35%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia melvillei*

ALL TAXA
Acacia incurvaneura
Acacia ligulata
Aluta maisonneuvei
Aristida contorta (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 14:25 (JJ)
Quadrat No: 67	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 446.8m
Coordinates (GDA94): 51J 666423E 6998372N		**Accuracy:**
Aspect: East	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia melvillei*

ALL TAXA
Acacia incurvaneura
Codonocarpus cotinifolius
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 344-346
Quadrat No: 68	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 448.7m
Coordinates (GDA94): 51J 664758.1E 6997099N		**Accuracy:**
Aspect: North	**Fire (yrs):** 10-20 years	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Eremophila forrestii* subsp. *forrestii*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Androcalva loxophylla
Dicrastylis doranii
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eucalyptus leptopoda
Eucalyptus youngiana
Scaevola basedowii
Senna notabilis
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 2:52 (JJ)
Quadrat No: 69	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 452.8m
Coordinates (GDA94): 51J 661384E 6996512N		**Accuracy:** 1m
Aspect: South West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Moderately (20-50%) / Medium Gravel (6-20mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia melvillei*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Dicrastylis doranii
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eremophila punctata
Eriachne mucronata
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 3:10 (JJ)
Quadrat No: 70	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 451
Coordinates (GDA94): 662328.8E; 6996307.8N		**Accuracy:** 1m
Aspect: East	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Abundant (50-90%) / Fine, Small Pebbles (2-6mm) / Subrounded		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm		
%Cover leaf litter: 20%		
%Cover bare ground: 50%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: <10%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Dicrastylis doranii*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ligulata
Acacia pruinocarpa
Amphipogon caricinus
Aristida contorta (A)
Bonamia erecta
Codonocarpus cotinifolius
Dicrastylis doranii
Eragrostis eriopoda
Senna notabilis
Seringia exastia (T)
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 15/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 3:10 (JJ)
Quadrat No: 71	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 435.4m
Coordinates (GDA94): 51J 659293.7E 6995659N		**Accuracy:** 1m
Aspect: North	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subrounded		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 15%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form:	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height:	**Height:** 3-6m	**Height:** 0.25-0.5m
Crown cover:	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Nothing dominant	*Acacia kempeana*	*Triodia basedowii*

ALL TAXA
Acacia kempeana
Dicrastylis doranii
Eragrostis eriopoda
Eremophila battii subsp. Granite Peaks
Psydrax suaveolens
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 353-355
Quadrat No: 72	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 388.2m
Coordinates (GDA94): 51J 628949.4E 6955651N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 65%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** <0.25m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Acacia ramulosa*	*Eragrostis eriopoda*

ALL TAXA
Acacia incurvaneura
Acacia minyura
Acacia ramulosa
Aristida contorta (A)
Dicrastylis doranii
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 356-358
Quadrat No: 73	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 383.4m
Coordinates (GDA94): 51J 628876.3E 6957868N		**Accuracy:**
Aspect: North	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Loam / Soft		
%Cover leaf litter: 35%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus concinna	*Senna artemisioides* subsp. *filifolia*	*Triodia schinzii*

ALL TAXA
Acacia incurvaneura
Acacia murrayana
Acacia tetragonophylla
Alyogyne pinoniana
Aristida holathera (A)
Cenchrus ciliaris (W)(A)
Chrysocephalum puteale
Enchylaena tomentosa
Enneapogon caerulescens (A)
Eragrostis eriopoda
Eremophila platycalyx
Eucalyptus concinna
Ptilotus obovatus
Rhagodia eremaea
Salsola australis (A)
Sclerolaena cornishiana
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 362-364
Quadrat No: 74	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 381.9m
Coordinates (GDA94): 51J 629011.6E 6959928N		**Accuracy:**
Aspect: North	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Chenopod Shrub
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila miniata*	*Sclerolaena cornishiana (A)*

ALL TAXA
Acacia incurvaneura
Acacia ramulosa
Aristida contorta (A)
Cenchrus ciliaris (W)
Enchylaena tomentosa
Eragrostis eriopoda
Eremophila glabra subsp. *glabra*
Eremophila latrobei subsp. *latrobei*
Eremophila miniata
Ptilotus obovatus
Rhagodia eremaea
Scaevola spinescens
Sclerolaena cornishiana (A)
Senna artemisioides subsp. *×sturtii*
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 365-367
Quadrat No: 75	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 381.7m
Coordinates (GDA94): 51J 629387.2E 6961916N		**Accuracy:**
Aspect: East	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Surface Crust		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 0.5-1m	**Height:** <0.25m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Eragrostis eriopoda & Aristida contorta (A)*

ALL TAXA
Acacia ayersiana
Acacia burkittii
Acacia incurvaneura
Acacia mulganeura
Amyema fitzgeraldii
Aristida contorta (A)
Cenchrus ciliaris (W)(A)
Enneapogon caerulescens (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eriachne mucronata
Ptilotus obovatus
Salsola australis (A)
Sclerolaena cornishiana
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 368-370
Quadrat No: 76	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 384.4m
Coordinates (GDA94): 51J 629302.9E 6962254N		**Accuracy:**
Aspect: North	**Fire (yrs):** 20+ years	**Condition rating:** Very Good
Landform: Midslope / Duneslope		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Loam / Soft		
%Cover leaf litter: 25%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia ligulata	*Aluta maisonneuvei*	*Triodia basedowii*

ALL TAXA
Acacia ligulata
Acacia murrayana
Aluta maisonneuvei
Alyogyne pinoniana
Aristida holathera (A)
Brunonia australis (A)
Dodonaea viscosa
Eremophila platycalyx
Grevillea pterosperma
Salsola australis (A)
Santalum spicatum
Senna artemisioides subsp. *filifolia*
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 371-373
Quadrat No: 77	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 378.3m
Coordinates (GDA94): 51J 629525.1E 6964063N		**Accuracy:**
Aspect: West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Open Depression		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 70%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form:	**Growth form:** Shrub	**Growth form:** Chenopod Shrub
Height:	**Height:** 1-3m	**Height:** 0.5-1m
Crown cover:	**Crown cover:** <1%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
	Eremophila latrobei subsp. *latrobei*	*Atriplex vesicaria*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Atriplex vesicaria
Brachyscome ciliaris (A)
Cenchrus ciliaris (W)
Enteropogon ramosus
Eragrostis kennedyae
Eremophila latrobei subsp. *latrobei*
Eremophila scoparia
Frankenia setosa
Maireana amoena
Maireana pyramidata
Pterocaulon sphacelatum
Sclerolaena cornishiana (A)
Sclerolaena diacantha
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Solanum nummularium
Vittadinia eremaea (A)

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 371-373
Quadrat No: 78	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 377.2m
Coordinates (GDA94): 51J 629666.6E 6965434N		**Accuracy:**
Aspect: West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 25%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia caesaneura	*Senna artemisioides* subsp. *filifolia*	*Eragrostis eriopoda*

ALL TAXA
Acacia burkittii
Acacia caesaneura
Aristida contorta (A)
Enteropogon ramosus
Eragrostis eriopoda
Eragrostis kennedyae
Eremophila maculata subsp. *brevifolia*
Eremophila miniata
Maireana convexa
Maireana georgei
Maireana triptera
Ptilotus obovatus
Rhagodia eremaea
Sclerolaena cornishiana
Sclerolaena diacantha
Senna artemisioides subsp. filifolia
Siemssenia capillaris (A)
Vittadinia eremaea (A)

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 377-379
Quadrat No: 79	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 380m
Coordinates (GDA94): 51J 630670.2E 6967601N		**Accuracy:**
Aspect: South West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Open Depression		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Chenopod Shrub	**Growth form:** Chenopod shrub
Height: 3-6m	**Height:** 0.5-1m	**Height:** <0.5m
Crown cover: <1%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Maireana pyramidata*	*Maireana radiata*

ALL TAXA
Acacia incurvaneura
Aristida contorta (A)
Atriplex vesicaria
Enchylaena tomentosa
Enteropogon ramosus
Eragrostis dielsii (A)
Eragrostis eriopoda
Eragrostis kennedyae
Eremophila gilesii subsp. *variabilis*
Maireana amoena
Maireana convexa
Maireana pyramidata
Maireana radiata
Sclerolaena diacantha

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 380-382
Quadrat No: 80	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 382.9m
Coordinates (GDA94): 51J 631435.9E 6968391N		**Accuracy:**
Aspect: West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Soft		
%Cover leaf litter: 20%		
%Cover bare ground: 50%		

Upper stratum	Mid-stratum	Lower stratum
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila miniata*	*Eragrostis eriopoda*

ALL TAXA
Acacia incurvaneura
Acacia minyura
Acacia pteraneura
Acacia ramulosa
Aristida contorta (A)
Eragrostis dielsii (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eremophila maculata subsp. *brevifolia*
Eremophila miniata
Maireana radiata
Monachather paradoxus
Ptilotus obovatus
Sclerolaena diacantha
Senna artemisioides subsp. *×artemisioides*
Solanum lasiophyllum

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 385-387
Quadrat No: 81	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 383.8m
Coordinates (GDA94): 51J 632624.6E 6970141N		**Accuracy:**
Aspect: South West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Midslope / Duneslope		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Brown / Uniform / Clay Loam / Surface Crust		
%Cover leaf litter: 35%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Chenopod Shrub
Height: 3-6m	**Height:** 1-3m	**Height:** <0.25m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** <10%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Casuarina pauper	*Acacia colletioides*	*Sclerolaena diacantha*

ALL TAXA
Acacia burkittii
Acacia colletioides
Aristida contorta (A)
Casuarina pauper
Eremophila miniata
Goodenia gypsicola
Maireana pentatropis
Sclerolaena diacantha

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 388-398
Quadrat No: 82	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 382.7m
Coordinates (GDA94): 51J 633882.5E 6971282N		**Accuracy:**
Aspect: South West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Open Depression		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Surface Crust		
%Cover leaf litter: 15%		
%Cover bare ground: 70%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form:	**Growth form:** Chenopod Shrub	**Growth form:** Chenopod Shrub
Height:	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover:	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
	Maireana pyramidata	*Atriplex vesicaria*

ALL TAXA
Atriplex vesicaria
Cenchrus ciliaris (W)
Enteropogon ramosus
Eragrostis dielsii (A)
Eremophila miniata
Frankenia setosa
Maireana amoena
Maireana carnosa
Maireana pyramidata
Maireana radiata
Sclerolaena diacantha

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 395-397
Quadrat No: 83	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 400.5m
Coordinates (GDA94): 51J 636824.4E 6969437N		**Accuracy:**
Aspect: North	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 40%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ramulosa
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 398-400
Quadrat No: 84	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 410.1m
Coordinates (GDA94): 51J 637049.1E 6969227N		**Accuracy:**
Aspect: North	**Fire (yrs):** 12	**Condition rating:** Excellent
Landform: Midslope / Duneslope		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Moderately Rapid		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sand / Soft		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia ligulata	*Aluta maisonneuvei*	*Triodia schinzii*

ALL TAXA
Lomandra leucocephala
Acacia ligulata
Aluta maisonneuvei
Alyogyne pinoniana
Anthotroche pannosa
Aristida holathera (A)
Chrysocephalum puteale
Corynotheca divaricata
Dicrastylis doranii
Dodonaea viscosa
Eragrostis eriopoda
Grevillea pterosperma
Gyrostemon ramulosus
Newcastelia hexarrhena
Senna artemisioides subsp. *filifolia*
Trichodesma zeylanicum (A)
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 401-403
Quadrat No: 85	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 381.4m
Coordinates (GDA94): 51J 634983.4E 6971146N		**Accuracy:**
Aspect: West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** <10%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ramulosa
Aristida contorta (A)
Eragrostis eriopoda
Eremophila gilesii subsp. *variabilis*
Eremophila latrobei subsp. *latrobei*
Ptilotus obovatus
Senna artemisioides subsp. *filifolia*
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 404-407
Quadrat No: 86	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 380.1m
Coordinates (GDA94): 51J 635880.5E 6973361N		**Accuracy:**
Aspect: East	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Midslope / Duneslope		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sand / Soft		
%Cover leaf litter: 20%		
%Cover bare ground: 60%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia caesaneura	*Senna artemisioides* subsp. *filifolia*	*Triodia basedowii*

ALL TAXA
Acacia caesaneura
Acacia incurvaneura
Alyogyne pinoniana
Aristida holathera (A)
Chrysocephalum puteale
Dicrastylis doranii
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Hakea lorea
Ptilotus obovatus
Rhagodia eremaea
Sclerolaena cornishiana
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Themeda triandra
Triodia basedowii
Triodia schinzii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 408-410
Quadrat No: 87	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 378
Coordinates (GDA94): 637150.8E; 6975242.1N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 40%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus concinna	*Senna artemisioides* subsp. *filifolia*	*Triodia basedowii*

ALL TAXA
Acacia ayersiana
Acacia incurvaneura
Acacia ramulosa
Acacia tetragonophylla
Aristida holathera (A)
Enchylaena tomentosa
Eragrostis eriopoda
Eucalyptus concinna
Ptilotus obovatus
Salsola australis (A)
Senna artemisioides subsp. *filifolia*
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 411-413
Quadrat No: 88	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 376.9m
Coordinates (GDA94): 51J 638300.3E 6978770N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Calcrete / Abundant (50-90%) / Medium Pebbles (6-20mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Brown / Uniform / Clay Loam / Firm / Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Sod Grass
Height: 6-12m	**Height:** 1-3m	**Height:** <0.25m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Casuarina pauper	*Senna artemisioides* subsp. *filifolia*	*Eragrostis kennedyae*
ALL TAXA		
Acacia burkittii		
Acacia colletioides		
Austrostipa nitida		
Casuarina pauper		
Enneapogon caerulescens (A)		
Eragrostis kennedyae		
Eremophila miniata		
Maireana trichoptera		
Rhagodia eremaea		
Salsola australis (A)		
Senna artemisioides subsp. *filifolia*		

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 416-418
Quadrat No: 89	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 382
Coordinates (GDA94): 640058.8E; 6980756.6N		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Surface Crust		
%Cover leaf litter: 40%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 30-70%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus concinna	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia ayersiana
Acacia pteraneura
Aristida contorta (A)
Aristida holathera (A)
Enchylaena tomentosa
Eragrostis dielsii (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eremophila miniata
Eucalyptus concinna
Ptilotus obovatus
Rhagodia eremaea
Scaevola spinescens
Senna artemisioides subsp. *filifolia*
Solanum lasiophyllum
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 419-421
Quadrat No: 90	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 378
Coordinates (GDA94): 641407, 6984027.4		**Accuracy:**
Aspect: West	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat/Flat		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil		
Soil (profile/field texture/soil surface): Brown/Clay loam/ Firm/ Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form: Chenopod shrub**	**Growth form:** Sod grass
Height: 3-6m	**Height:** 0.5-1m	**Height:** <0.25m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 10-30%
Dominant taxa: *Acacia ayersiana*	**Dominant taxa:** *Maireana pyramidata*	**Dominant taxa:** *Eremophila eriocalyx*
		Sclerolaena diacantha

ALL TAXA
Abutilon cryptopetalum
Acacia ayersiana
Acacia caesaneura
Alyogyne pinoniana
Aristida contorta (A)
Aristida holathera (A)
Atriplex vesicaria
Cenchrus ciliaris (W)(A)
Enneapogon caerulescens (A)
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. *latrobei*
Eremophila miniata
Frankenia setosa
Maireana pyramidata
Maireana radiata
Maireana triptera
Ptilotus obovatus
Sclerolaena diacantha
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 422-424
Quadrat No: 91	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 381
Coordinates (GDA94): 642484.4, 6986823.1		**Accuracy:**
Aspect: South	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat/Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil/Very slow		
Soil (profile/field texture/soil surface): Red Brown/Sandy Loam/Soft		
%Cover leaf litter: 30%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa: *Eucalyptus youngiana*	**Dominant taxa:** *Eremophila latrobei* subsp. *latrobei*	**Dominant taxa:** *Triodia basedowii*

ALL TAXA
Acacia caesaneura
Acacia ligulata
Acacia tetragonophylla
Aristida holathera (A)
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eucalyptus youngiana
Senna artemisioides subsp. *filifolia*
Triodia basedowii

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 425-427
Quadrat No: 92	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 389
Coordinates (GDA94): 643837.4, 6988408.9		**Accuracy:** 1m
Aspect: North	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat/Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil		
Soil (profile/field texture/soil surface): Red Brown/Sand/Sandy loam/Soft		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Malle (<8m)	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 0.5m-1m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa: *Eucalyptus youngiana*	**Dominant taxa:**	**Dominant taxa:** *Triodia basedowii*
	Eremophila forrestii subsp. *forrestii*	
ALL TAXA		
Acacia ligulata		
Aluta maisonneuvei		
Alyogyne pinoniana		
Amphipogon caricinus		
Androcalva loxophylla		
Dicrastylis exsuccosa		
Eragrostis eriopoda		
Eremophila forrestii subsp. *forrestii*		
Eucalyptus youngiana		
Exocarpos sparteus		
Grevillea eriostachya		
Scaevola restiacea		
Triodia basedowii		

Project Name: Great Central Road		
Date: 16/07/25	**Botanist:** JJ	**Photo number (NW corner):** 428-430
Quadrat No: 93	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 413
Coordinates (GDA94): 645907.6, 6990334.8		**Accuracy:**
Aspect: East	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Flat/Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil/very slow		
Soil (profile/field texture/soil surface): Red Brown/Sandy Clay Loam/Soft/Surface Crust		
%Cover leaf litter: 30%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa: *Acacia incurvaneura*	**Dominant taxa:** *Eremophila latrobei* subsp. *latrobei*	**Dominant taxa:** *Triodia basedowii*

ALL TAXA
Acacia incurvaneura
Acacia ligulata
Acacia pteraneura
Amphipogon caricinus
Aristida contorta (A)
Codonocarpus cotinifolius
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Themeda triandra
Triodia basedowii
Triodia melvillei

Project Name: Great Central Road		
Date: 17/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 431-433
Quadrat No: 94	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 421
Coordinates (GDA94): 650495.3E; 6993456.8N		**Accuracy:** 1m
Aspect: East	**Fire (yrs):** 12	**Condition rating:** Very good
Landform: Flat / Plain		
Coarse fragments on the surface: Moderately/ many (20-50%); fine gravelly, small pebbles (2-6mm); subrounded		
Rock outcrop (abundance/runoff): Nil/ Very slow		
Soil (profile/field texture/soil surface): Red Brown/Sandy Clay Loam/Firm/Surface Crust		
%Cover leaf litter: 20%		
%Cover bare ground: 30%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** <10%	**Crown cover:** >70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia pruinocarpa	*Dicrastylis exsuccosa*	*Triodia basedowii*

ALL TAXA
Acacia dictyophleba
Acacia mulganeura
Acacia pruinocarpa
Amphipogon caricinus
Dicrastylis doranii
Dicrastylis exsuccosa
Scaevola basedowii
Triodia basedowii

Project Name: Great Central Road		
Date: 17/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 434-436
Quadrat No: 95	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 416.5m
Coordinates (GDA94): 51J 649336.9E 6993655N		**Accuracy:**
Aspect: North	**Fire (yrs):** 8	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Nil		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam		
%Cover leaf litter: 25%		
%Cover bare ground: 50%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 0.5-1m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** <10%	**Crown cover:** >70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia ayersiana	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia ayersiana
Acacia ligulata
Acacia pruinocarpa
Dicrastylis doranii
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Scaevola basedowii
Triodia basedowii

Project Name: Great Central Road		
Date: 17/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 437-440
Quadrat No: 96	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 438.1m
Coordinates (GDA94): 51J 652527.4E 6994094N		**Accuracy:**
Aspect:	**Fire (yrs):** 20 years	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Slightly (2-10%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Sandy Clay Loam / Soft / Surface Crust		
%Cover leaf litter: 25%		
%Cover bare ground: 25%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Shrub Mallee	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 10-30%	**Crown cover:** 10-30%	**Crown cover:** >70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Eucalyptus youngiana	*Eremophila forrestii* subsp. *forrestii*	*Triodia basedowii*

ALL TAXA
Acacia pachyacra
Acacia pruinocarpa
Amphipogon caricinus
Dicrastylis doranii
Eragrostis eriopoda
Eremophila forrestii subsp. *forrestii*
Eremophila latrobei subsp. *latrobei*
Eucalyptus youngiana
Exocarpos sparteus
Hakea lorea
Leptosema chambersii
Scaevola basedowii
Senna artemisioides subsp. *×sturtii*
Triodia basedowii

Project Name: Great Central Road		
Date: 17/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):**
Quadrat No: 97	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 413.5m
Coordinates (GDA94): 51J 653924.7E 6994900N		**Accuracy:**
Aspect: East	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Moderately (20-50%) / Fine, Small Pebbles (2-6mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crest		
%Cover leaf litter: 35%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height:	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia ayersiana
Acacia caesaneura
Acacia incurvaneura
Codonocarpus cotinifolius
Dicrastylis exsuccosa
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Hakea lorea
Psydrax suaveolens
Senna artemisioides subsp. *×sturtii*
Sida sp. Excedentifolia (J.L. Egan 1925)
Triodia basedowii

Project Name: Great Central Road		
Date: 17/07/25	**Botanist:** JW + JJ	**Photo number (NW corner):** 444-446
Quadrat No: 98	**Quadrat size/shape:** 50m x 50m / Square	**Elevation (m):** 438.2m
Coordinates (GDA94): 51J 658324.1E 6995462N		**Accuracy:**
Aspect: North	**Fire (yrs):** Long Unburnt	**Condition rating:** Very Good
Landform: Flat / Plain		
Coarse fragments on the surface: Abundant (15-90%) / Medium Pebbles (6-20mm) / Subangular		
Rock outcrop (abundance/runoff): Nil / Very Slow		
Soil (profile/field texture/soil surface): Red Brown / Uniform / Clay Loam / Firm / Surface Crest		
%Cover leaf litter: 30%		
%Cover bare ground: 40%		
Upper stratum	**Mid-stratum**	**Lower stratum**
Growth form: Tree	**Growth form:** Shrub	**Growth form:** Hummock Grass
Height: 3-6m	**Height:** 1-3m	**Height:** 0.25-0.5m
Crown cover: 30-70%	**Crown cover:** 10-30%	**Crown cover:** 30-70%
Dominant taxa:	**Dominant taxa:**	**Dominant taxa:**
Acacia incurvaneura	*Eremophila latrobei* subsp. *latrobei*	*Triodia basedowii*

ALL TAXA
Acacia caesaneura
Acacia incurvaneura
Acacia minyura
Acacia mulganeura
Acacia pteraneura
Amyema gibberula
Eragrostis eriopoda
Eremophila latrobei subsp. *latrobei*
Eriachne mucronata
Grevillea berryana
Solanum lasiophyllum
Triodia basedowii

APPENDIX F:
QUADRAT PHOTOGRAPHS

Quadrat 1			
Direction	**East**	**South-East**	**South**
Quadrat 2			
Direction	**East**	**South-East**	**South**
Quadrat 3			
Direction	**East**	**South-East**	**South**

Quadrat 4			
Direction	**East**	**South-East**	**South**
Quadrat 5			
Direction	**East**	**South-East**	**South**
Quadrat 6			
Direction	**East**	**South-East**	**South**

Quadrat 7			
Direction	**East**	**South-East**	**South**
Quadrat 8			
Direction	**East**	**South-East**	**South**
Quadrat 9			
Direction	**East**	**South-East**	**South**

Quadrat 10			
Direction	**East**	**South-East**	**South**
Quadrat 11			
Direction	**East**	**South-East**	**South**
Quadrat 12			
Direction	**East**	**South-East**	**South**

Quadrat 13			
Direction	**East**	**South-East**	**South**
Quadrat 14			
Direction	**East**	**South-East**	**South**
Quadrat 15			
Direction	**East**	**South-East**	**South**

Quadrat 16			
Direction	**East**	**South-East**	**South**
Quadrat 17			
Direction	**East**	**South-East**	**South**
Quadrat 18			
Direction	**East**	**South-East**	**South**

Quadrat 19			
Direction	**East**	**South-East**	**South**
Quadrat 20			
Direction	**East**	**South-East**	**South**
Quadrat 21			
Direction	**East**	**South-East**	**South**

Quadrat 22			
Direction	**East**	**South-East**	**South**
Quadrat 23			
Direction	**East**	**South-East**	**South**
Quadrat 24			
Direction	**East**	**South-East**	**South**

Quadrat 25			
Direction	**East**	**South-East**	**South**
Quadrat 26			
Direction	**East**	**South-East**	**South**
Quadrat 27			
Direction	**East**	**South-East**	**South**

Quadrat 28			
Direction	**East**	**South-East**	**South**
Quadrat 29			
Direction	**East**	**South-East**	**South**
Quadrat 30			
Direction	**East**	**South-East**	**South**

Quadrat 31			
Direction	**East**	**South-East**	**South**
Quadrat 32			
Direction	**East**	**South-East**	**South**
Quadrat 33			
Direction	**East**	**South-East**	**South**

Quadrat 34			
Direction	**East**	**South-East**	**South**
Quadrat 35			
Direction	**East**	**South-East**	**South**
Quadrat 36			
Direction	**East**	**South-East**	**South**

Quadrat 37			
Direction	**East**	**South-East**	**South**
Quadrat 38			
Direction	**East**	**South-East**	**South**
Quadrat 39			
Direction	**East**	**South-East**	**South**

Quadrat 40			
Direction	**East**	**South-East**	**South**
Quadrat 41			
Direction	**East**	**South-East**	**South**
Quadrat 42			
Direction	**East**	**South-East**	**South**

Quadrat 43			
Direction	**East**	**South-East**	**South**
Quadrat 44			
Direction	**East**	**South-East**	**South**
Quadrat 45			
Direction	**East**	**South-East**	**South**

Quadrat 46			
Direction	**East**	**South-East**	**South**
Quadrat 47			
Direction	**East**	**South-East**	**South**
Quadrat 48			
Direction	**East**	**South-East**	**South**

Quadrat 49			
Direction	**East**	**South-East**	**South**
Quadrat 50			
Direction	**East**	**South-East**	**South**
Quadrat 51			
Direction	**East**	**South-East**	**South**

Quadrat 52			
Direction	**East**	**South-East**	**South**
Quadrat 53			
Direction	**East**	**South-East**	**South**
Quadrat 54			
Direction	**East**	**South-East**	**South**

Quadrat 55			
Direction	**East**	**South-East**	**South**
Quadrat 56			
Direction	**East**	**South-East**	**South**
Quadrat 57			
Direction	**East**	**South-East**	**South**

Quadrat 58			
Direction	**East**	**South-East**	**South**
Quadrat 59			
Direction	**East**	**South-East**	**South**
Quadrat 60			
Direction	**East**	**South-East**	**South**

Quadrat 61			
Direction	**East**	**South-East**	**South**
Quadrat 62			
Direction	**East**	**South-East**	**South**
Quadrat 63			
Direction	**East**	**South-East**	**South**

Quadrat 64			
Direction	**East**	**South-East**	**South**
Quadrat 65			
Direction	**East**	**South-East**	**South**
Quadrat 66			
Direction	**East**	**South-East**	**South**

Quadrat 67			
Direction	**East**	**South-East**	**South**
Quadrat 68			
Direction	**East**	**South-East**	**South**

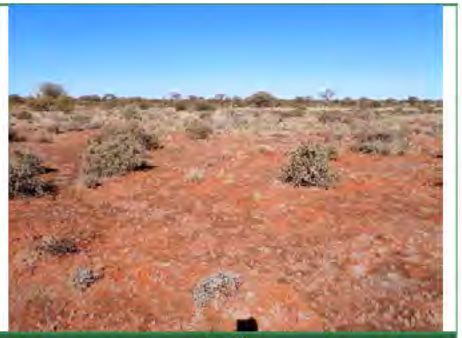
Quadrat 69			
Direction	**East**	**South-East**	**South**

Quadrat 70			
Direction	**East**	**South-East**	**South**
Quadrat 71			
Direction	**East**	**South-East**	**South**

Quadrat 72			
Direction	**East**	**South-East**	**South**

Quadrat 73			
Direction	**East**	**South-East**	**South**
Quadrat 74			
Direction	**East**	**South-East**	**South**
Quadrat 75			
Direction	**East**	**South-East**	**South**

Quadrat 76			
Direction	**East**	**South-East**	**South**
Quadrat 77			
Direction	**East**	**South-East**	**South**
Quadrat 78			
Direction	**East**	**South-East**	**South**

Quadrat 79			
Direction	**East**	**South-East**	**South**
Quadrat 80			
Direction	**East**	**South-East**	**South**
Quadrat 81			
Direction	**East**	**South-East**	**South**

Quadrat 82			
Direction	**East**	**South-East**	**South**
Quadrat 83			
Direction	**East**	**South-East**	**South**
Quadrat 84			
Direction	**East**	**South-East**	**South**

Quadrat 85			
Direction	**East**	**South-East**	**South**
Quadrat 86			
Direction	**East**	**South-East**	**South**
Quadrat 87			
Direction	**East**	**South-East**	**South**

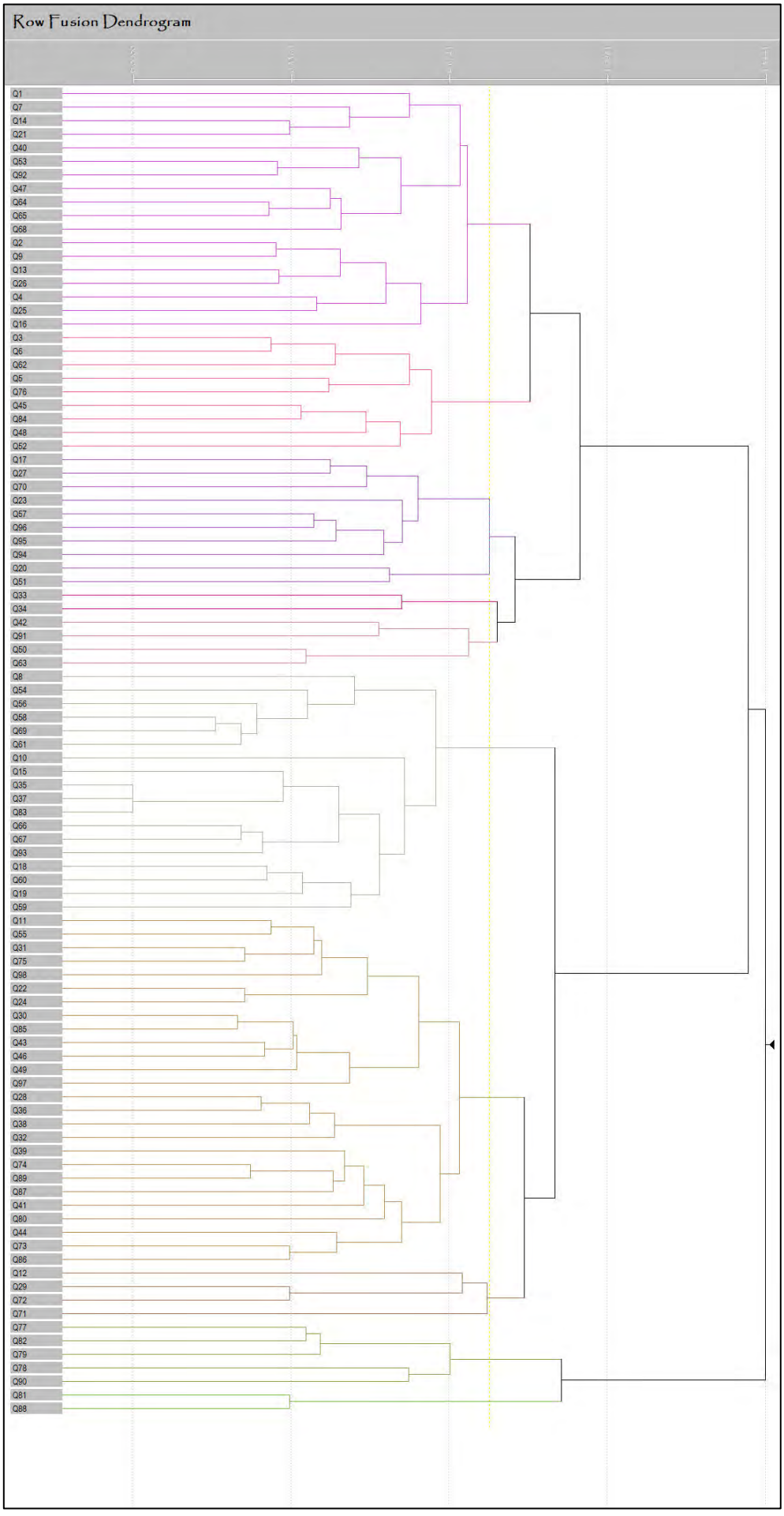
Quadrat 88			
Direction	**East**	**South-East**	**South**
Quadrat 89			
Direction	**East**	**South-East**	**South**
Quadrat 90			
Direction	**East**	**South-East**	**South**

Quadrat 91			
Direction	**East**	**South-East**	**South**
Quadrat 92			
Direction	**East**	**South-East**	**South**
Quadrat 93			
Direction	**East**	**South-East**	**South**

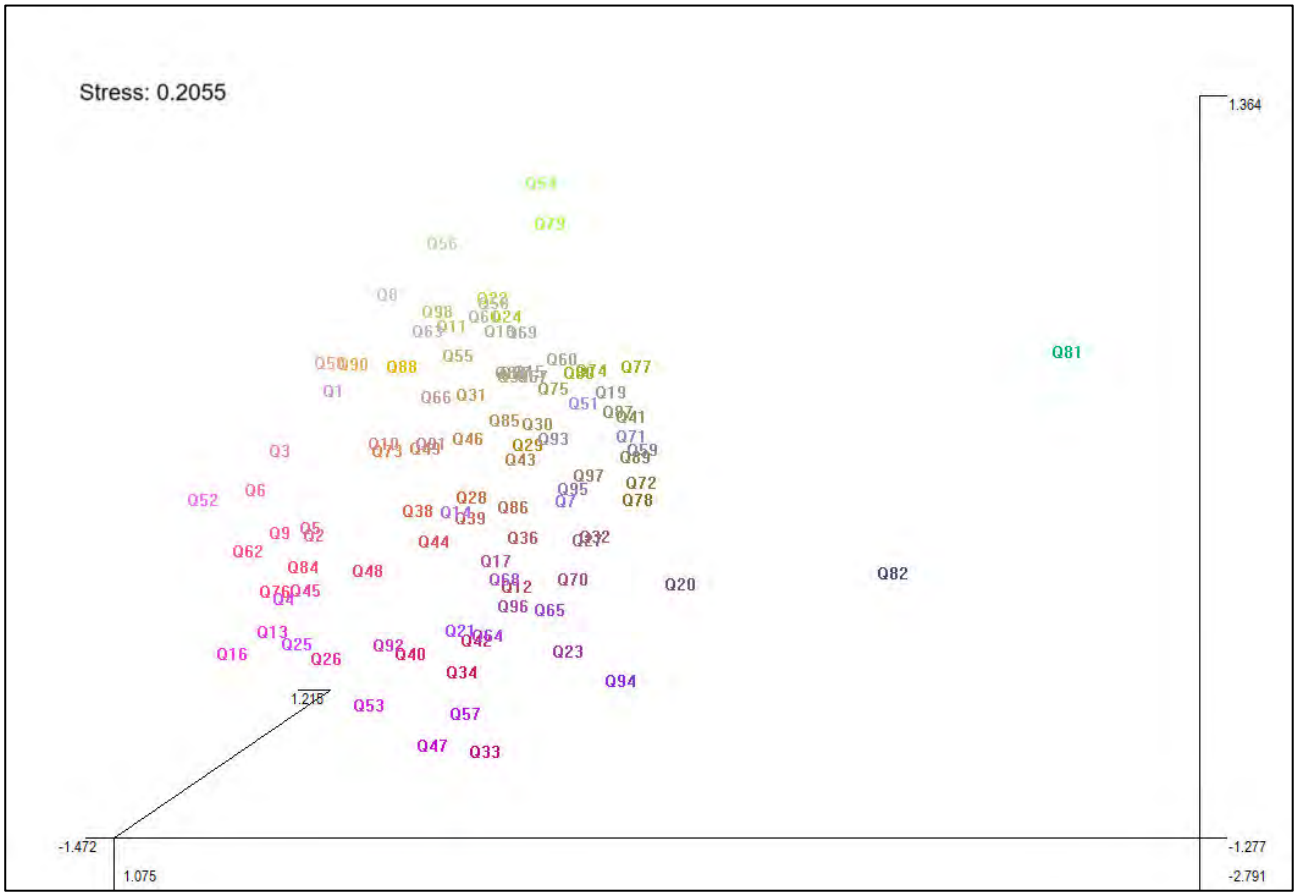
Quadrat 94			
Direction	**East**	**South-East**	**South**
Quadrat 95			
Direction	**East**	**South-East**	**South**
Quadrat 96			
Direction	**East**	**South-East**	**South**

Quadrat 97			
Direction	**East**	**South-East**	**South**
Quadrat 98			
Direction	**East**	**South-East**	**South**

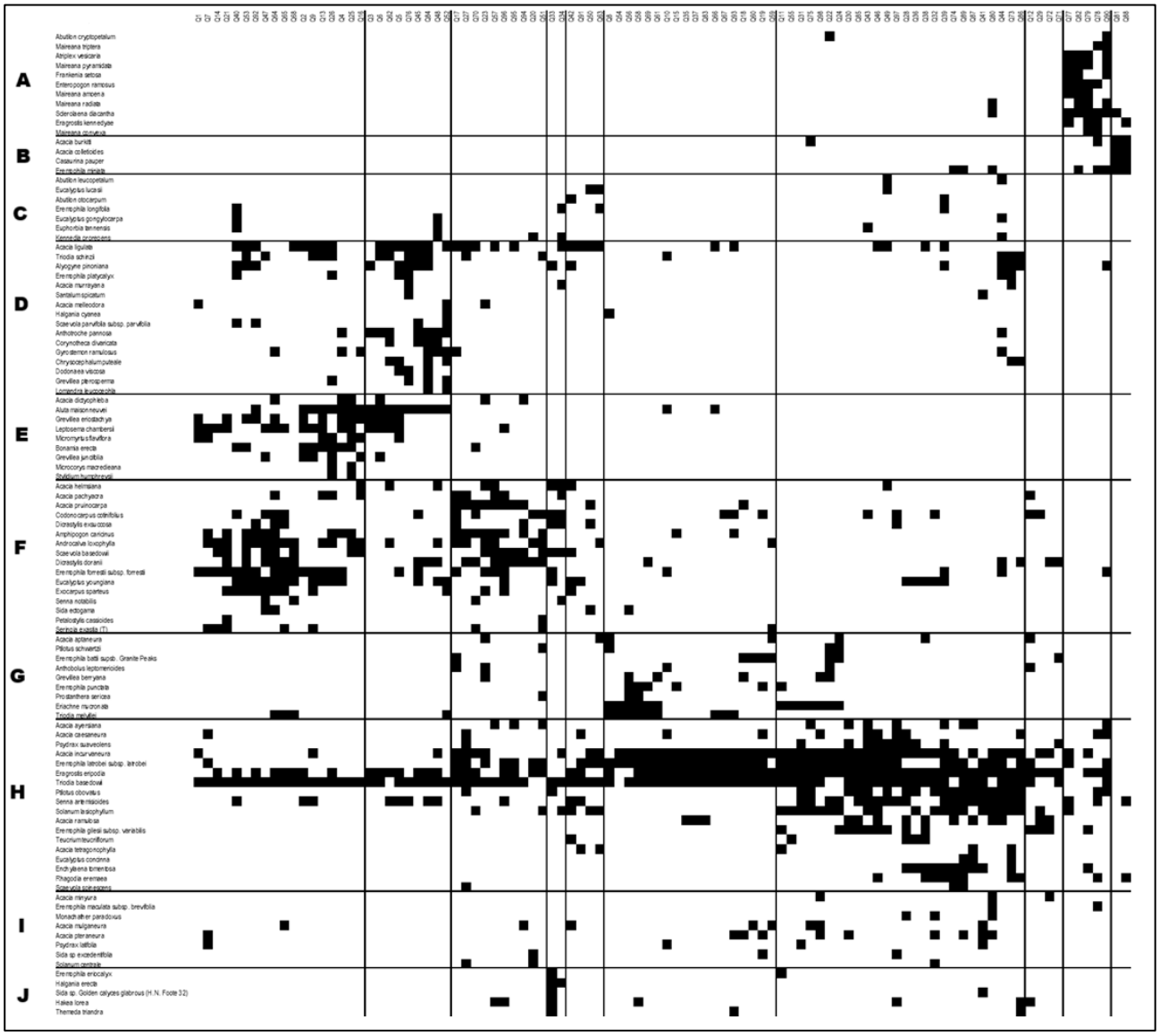
APPENDIX G:
PATN ANALYSIS RESULTS


Row Fusion Dendrogram
Q1
Q7
Q14
Q21
Q40
Q53
Q92
Q47
Q64
Q65
Q68
Q2
Q9
Q13
Q26
Q4
Q25
Q16
Q3
Q6
Q62
Q5
Q76
Q45
Q84
Q48
Q52
Q17
Q27
Q70
Q23
Q57
Q96
Q95
Q94
Q20
Q51
Q33
Q34
Q42
Q91
Q50
Q63
Q8
Q54
Q56
Q58
Q69
Q61
Q10
Q15
Q35
Q37
Q83
Q66
Q67
Q93
Q18
Q60
Q19
Q59
Q11
Q55
Q31
Q75
Q98
Q22
Q24
Q30
Q85
Q43
Q46
Q49
Q97
Q28
Q36
Q38
Q32
Q39
Q74
Q89
Q87
Q41
Q80
Q44
Q73
Q86
Q12
Q29
Q72
Q71
Q77
Q82
Q79
Q78
Q90
Q81
Q88

Ordination Graph



Two Way Table



APPENDIX H:
DANDJOO SEARCH RESULTS:

Dandjoo Vascular Flora Species List

Source: Dandjoo – Department of Biodiversity, Conservation and Attractions
Method: User defined circle: 50.0 km
Dandjoo Export: Dandjoo_Great Central Rd_clipped_combined_filtered_flora.xlsm
Filter: Kingdon = Plantae

Class	Order	Family	Taxon	Common Name	Estab.	Code
Liliopsida	Alismatales	Juncaginaceae Rich.	Triglochin nana F.Muell.		native	
Liliopsida	Asparagales	Asparagaceae Juss.	Laxmannia arida Keighery		native	
Liliopsida	Asparagales	Asparagaceae Juss.	Lomandra leucocephala subsp. robusta A.	Woolly Mat-rush	native	
Liliopsida	Asparagales	Asparagaceae Juss.	Thysanotus exfimbriatus Sirisena, Conran & T.Macfa		native	
Liliopsida	Asparagales	Asparagaceae Juss.	Thysanotus manglesianus Kunth	Fringed Lily; Mangles' Fringed Lily	native	
Liliopsida	Liliales	Colchicaceae DC.	Wurmbea deserticola T.Macfarlane		native	
Liliopsida	Poales	Cyperaceae Juss.	Bulbostylis barbata (Rottb.) C.B.Clarke		native	
Liliopsida	Poales	Cyperaceae Juss.	Fimbristylis dichotoma Vahl	Eight Day Grass	native	
Liliopsida	Poales	Cyperaceae Juss.	Isolepis australiensis (Maiden & Betche) K	Not found	native	P3
Liliopsida	Poales	Cyperaceae Juss.	Isolepis congrua Nees		native	
Liliopsida	Poales	Poaceae Barnhart	Amphipogon sericeus (Vickery) T.Macfarlane		native	
Liliopsida	Poales	Poaceae Barnhart	Aristida anthoxanthoides (Domin) Henrard	Yellow Threeawn	native	
Liliopsida	Poales	Poaceae Barnhart	Aristida inaequiglumis Domin		native	
Liliopsida	Poales	Poaceae Barnhart	Aristida obscura Henrard		native	
Liliopsida	Poales	Poaceae Barnhart	Austrostipa nitida (Summerh. & C.E.Hubb.) S.W.L.Ja		native	
Liliopsida	Poales	Poaceae Barnhart	Cymbopogon obtectus S.T.Blake	Silkyheads	native	
Liliopsida	Poales	Poaceae Barnhart	Dactyloctenium radulans (R.Br.) P.Beauv.		native	
Liliopsida	Poales	Poaceae Barnhart	Digitaria brownii (Roem. & Schult.) Hughes	Cotton Panic Grass	native	
Liliopsida	Poales	Poaceae Barnhart	Diplachne fusca subsp. muelleri (Benth.) P.M.Peter		native	
Liliopsida	Poales	Poaceae Barnhart	Enneapogon caerulescens (Gaudich.) N.T.Burb.		native	
Liliopsida	Poales	Poaceae Barnhart	Enneapogon polyphyllus (Domin) N.T.Burb.		native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis dielsii Pilg.	Mallee Lovegrass	native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis eriopoda Benth.	Wangurnu; Woollybutt Grass	native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis falcata (Gaudich.) Steud.		native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis kennedyae F.Turner	Smallflower Lovegrass	native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis lacunaria Benth.	Purple Lovegrass	native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis laniflora Benth.	Hairy-flowered Woollybutt	native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis lanipes C.E.Hubb.	Creeping Wanderrie	native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis leptocarpa Benth.	Drooping Lovegrass	native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis pergracilis S.T.Blake		native	
Liliopsida	Poales	Poaceae Barnhart	Eragrostis sp. Lake Carey (J. Paterson & J	Not found	native	P1
Liliopsida	Poales	Poaceae Barnhart	Eragrostis Wolf			
Liliopsida	Poales	Poaceae Barnhart	Eriachne flaccida Hartley	Claypan Grass	native	
Liliopsida	Poales	Poaceae Barnhart	Eriachne mucronata R.Br.	Mountain Wanderrie Grass	native	
Liliopsida	Poales	Poaceae Barnhart	Eriachne pulchella Domin subsp. pulchella		native	
Liliopsida	Poales	Poaceae Barnhart	Eriachne sp. Woolly culms (P.K. Latz 10065)		native	
Liliopsida	Poales	Poaceae Barnhart	Eulalia aurea (Bory) Kunth		native	
Liliopsida	Poales	Poaceae Barnhart	Iseilema eremaeum S.T.Blake		native	
Liliopsida	Poales	Poaceae Barnhart	Monachather paradoxus Steud.		native	
Liliopsida	Poales	Poaceae Barnhart	Neurachne muelleri Hack.		native	
Liliopsida	Poales	Poaceae Barnhart	Paractaenum refractum (F.Muell.) R.D.Webster		native	
Liliopsida	Poales	Poaceae Barnhart	Paspalidium basicladum Hughes		native	
Liliopsida	Poales	Poaceae Barnhart	Paspalidium clementii (Domin) C.E.Hubb.	Clements Paspalidium	native	
Liliopsida	Poales	Poaceae Barnhart	Themeda triandra Forssk.		native	
Liliopsida	Poales	Poaceae Barnhart	Thyridolepis mitchelliana (Nees) S.T.Blake	Mulga Grass	native	
Liliopsida	Poales	Poaceae Barnhart	Thyridolepis xerophila (Domin) S.T.Blake		native	
Liliopsida	Poales	Poaceae Barnhart	Tragus australianus S.T.Blake	Small Burrgrass	native	
Liliopsida	Poales	Poaceae Barnhart	Triodia basedowii E.Pritz.		native	
Liliopsida	Poales	Poaceae Barnhart	Triodia bromoides (F.Muell.) Lazarides	Not found	native	P4
Liliopsida	Poales	Poaceae Barnhart	Triodia concinna N.T.Burb.		native	

Liliopsida	Poales	Poaceae Barnhart	Triodia melvillei (C.E.Hubb.) Lazarides		native
Liliopsida	Poales	Poaceae Barnhart	Triodia schinzii (Henrard) Lazarides		native
Liliopsida	Poales	Poaceae Barnhart	Tripogonella loliiformis (F.M.uell.) P.M.Pete	Five Minute Grass	native
Magnoliopsid	Apiales	Apiaceae Lindl.	Daucus glochidiatus (Labill.) Fisch., C.A.M	Australian Carrot	native
Magnoliopsid	Apiales	Araliaceae Juss.	Trachymene bialata (Domin) B.L.Burtt		native
Magnoliopsid	Apiales	Araliaceae Juss.	Trachymene glaucifolia (F.Muell.) Benth.	Wild Carrot	native
Magnoliopsid	Apiales	Araliaceae Juss.	Trachymene ornata (Endl.) Druce	Spongefruit	native
Magnoliopsid	Apiales	Pittosporaceae R.Br.	Pittosporum angustifolium Lodd., G.Lodd. & W.Lodd.		mixed
Magnoliopsid	Asterales	Asteraceae	Siemssenia capillaris Steetz		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Actinobole oldfieldianum P.S.Short		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Angianthus tomentosus J.C.Wendl.	Camel-grass	native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Brachyscome blackii G.L.Davis		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Brachyscome ciliaris (Labill.) Less.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Calocephalus beardii P.S.Short		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Calocephalus multiflorus (Turcz.) Benth.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Calotis hispidula (F.Muell.) F.Muell.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Calotis multicaulis (Turcz.) Druce		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Cephalipterum drummondii A.Gray		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Chrysocephalum apiculatum (Labill.) Steet	Yellow Buttons	native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Chrysocephalum apiculatum subsp. glandulosum Paul		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Chrysocephalum eremaeum (Haegi) Anderb.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Chrysocephalum puteale (S.Moore) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Chthonocephalus pseudevax Steetz		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Gnephosis tenuissima Cass.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Helipterum craspedioides W.Fitzg.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Lawrencella davenportii (F.Muell.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Leiocarpa semicalva (F.Muell.) Paul G.Wilson subsp		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Leucochrysum stipitatum (F.Muell.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Myriocephalus rudallii Benth.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Olearia eremaea Lander		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Olearia incana (D.A.Cooke) Lander		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Olearia subspicata (Hook.) Benth.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Pluchea dentex Benth.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Podolepis aristata subsp. affinis (Sond.) Jeanes		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rhodanthe charsleyae (F.Muell.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rhodanthe chlorocephala subsp. rosea (Hook.) Paul		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rhodanthe citrina (Benth.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rhodanthe floribunda (DC.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rhodanthe humboldtiana (Gaudich.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rhodanthe propinqua (W.Fitzg.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rhodanthe pygmaea (DC.) Paul G.Wilson		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Roebuckiella similis (P.S.Short) P.S.Short		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Rutidosis helichrysoides DC.	Grey Wrinklewort	native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Senecio glossanthus (Sond.) Belcher	Slender Groundsel	native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Senecio lacustrinus I.Thomps.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Senecio quadridentatus Labill.		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Waitzia acuminata Steetz	Orange Immortelle	native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Waitzia acuminata Steetz var. acuminata		native
Magnoliopsid	Asterales	Asteraceae Bercht. & J	Waitzia fitzgibbonii (F.Muell.) X.A.Weber & Schmid		native
Magnoliopsid	Asterales	Campanulaceae Juss.	Lithotoma petraea (F.Muell.) E.B.Knox		native
Magnoliopsid	Asterales	Campanulaceae Juss.	Lobelia heterophylla subsp. centralis N.G.Walsh		native
Magnoliopsid	Asterales	Campanulaceae Juss.	Wahlenbergia tumidifructa P.J.Sm.		native
Magnoliopsid	Asterales	Goodeniaceae R.Br.	Brunonia australis R.Br.		native
Magnoliopsid	Asterales	Goodeniaceae R.Br.	Dampiera dentata Rajput		native
Magnoliopsid	Asterales	Goodeniaceae R.Br.	Dampiera ramosa Rajput & Carolin		native
Magnoliopsid	Asterales	Goodeniaceae R.Br.	Goodenia azurea subsp. hesperia L.W.Sage & Albr.		native
Magnoliopsid	Asterales	Goodeniaceae R.Br.	Goodenia capillosa K.A.Sheph.		native
Magnoliopsid	Asterales	Goodeniaceae R.Br.	Goodenia centralis Carolin		native

Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia connata (F.Muell.) K.A.Sheph.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia cycloptera R.Br.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia glabrata (Carolin) K.A.Sheph.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia glandulosa K.Krause		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia gypsicola Symon		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia heterochila F.Muell.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia macroplectra (F.Muell.) Carolin		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia occidentalis Carolin		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia ramelii F.Muell.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia rosea (S.Moore) K.A.Sheph.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia schwerinensis Carolin		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia triodiophila Carolin		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Goodenia xanthosperma F.Muell.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Lechenaultia striata F.Muell.		native
Magnoliopsid Asterales	Goodeniaceae R.Br.	Scaevola basedowii Carolin		native
Magnoliopsid Asterales	Stylidiaceae R.Br.	Levenhookia chippendalei F.L.Erickson & J.H.Willis		native
Magnoliopsid Asterales	Stylidiaceae R.Br.	Stylidium humphreysii Carlquist		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Lemphoria andraeana (F.Muell.) Al-Shehbaz & Lysak		
Magnoliopsid Brassicales	Brassicaceae Burnett	Lepidium muelleri-ferdinandi Thell.		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Lepidium oxytrichum Sprague		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Lepidium phlebopetalum (F.Muell.) F.Muell.		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Menkea sphaerocarpa F.Muell.		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Menkea villosula (F.Muell. & Tate) J.M.Black		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Stenopetalum anfractum E.A.Shaw		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Stenopetalum nutans F.Muell.		native
Magnoliopsid Brassicales	Brassicaceae Burnett	Stenopetalum velutinum F.Muell.	Velvet Thread Petal	native
Magnoliopsid Brassicales	Gyrostemonaceae A.Ju	Codonocarpus cotinifolius (Desf.) F.Muell.		native
Magnoliopsid Brassicales	Gyrostemonaceae A.Ju	Gyrostemon ramulosus Desf.		native
Magnoliopsid Brassicales	Gyrostemonaceae A.Ju	Gyrostemon tepperi (H.Walter) A.S.George		native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus aervoides (F.Muell.) F.Muell.		native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus chamaecladus Diels		native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus clementii (Farmar) Benl	Tassel Top	native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus exaltatus Nees	Tall Mulla Mulla	native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus gaudichaudii (Steud.) J.M.Black		native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus helipteroides (F.Muell.) F.Muell.	Hairy Mulla Mulla	native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus nobilis (Lindl.) F.Muell.	Tall Mulla Mulla	native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus obovatus (Gaudich.) F.Muell.	Cotton Bush	native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus polystachyus (Gaudich.) F.Muell.	Prince of Wales Feather	native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus schwartzii (F.Muell.) Tate		native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus schwartzii Tate var. schwartzii		native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus schwartzii var. georgei (Diels) Benl		native
Magnoliopsid Caryophyllales	Amaranthaceae Juss.	Ptilotus sessilifolius (Lindl.) Benl		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Atriplex bunburyana F.Muell.		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Atriplex nana Parr-Sm.		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Atriplex vesicaria Benth.		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Dysphania kalpari Paul G.Wilson		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Dysphania melanocarpa (J.M.Black) Mosyakin & Clema		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Dysphania plantaginella F.Muell.		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Dysphania rhadinostachya (F.Muell.) A.J.Scott		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Dysphania saxatilis (Paul G.Wilson) Mosyakin & Cle		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Einadia nutans subsp. eremaea Paul G.Wilson		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Enchylaena tomentosa R.Br. var. tomentosa		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Eriochiton sclerolaenoides (F.Muell.) A.J.Scott		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Maireana amoena (Diels) Paul G.Wilson		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Maireana carnosa (Moq.) Paul G.Wilson	Cottony Bluebush	native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Maireana eriantha (F.Muell.) Paul G.Wilson		
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Maireana eriosphaera Paul G.Wilson		native
Magnoliopsid Caryophyllales	Chenopodiaceae Vent.	Maireana georgei (Diels) Paul G.Wilson		native

Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana pentatropis (Tate) Paul G.Wilson	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana planifolia x villosa	
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana platycarpa Paul G.Wilson Shy Bluebush	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana pyramidata (Benth.) Paul G.Wils Sago Bush	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana tomentosa Moq. Felty Bluebush	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana tomentosa Moq. subsp. tomentosa	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana trichoptera (J.M.Black) Paul G.Wilson	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana triptera (Benth.) Paul G.Wilson Threewinged Bluebush	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Maireana villosa (Lindl.) Paul G.Wilson	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Salsola australis R.Br.	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena convexula (R.H.Anderson) A.J.Scott	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena cornishiana (F.Muell.) A.J.Sco Cartwheel Burr	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena cuneata Paul G.Wilson	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena deserticola Paul G.Wilson	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena diacantha (Nees) Benth.	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena eriacantha (F.Muell.) Ulbr. Tall Bindii	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena eurotioides (F.Muell.) A.J.Scott	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena fimbriolata (F.Muell.) A.J.Scott	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena parviflora (R.H.Anderson) A.J.Scott	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena patenticuspis (R.H.Anderson) Ulbr.	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Sclerolaena x georgei (Ising) A.J.Scott	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Tecticornia calyptrata (Paul G.Wilson) K.A.Sheph.	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Tecticornia Hook.f.	
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Tecticornia indica subsp. bidens (Nees) K.A.Sheph.	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Tecticornia laevigata K.A.Sheph.	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Tecticornia pruinosa (Paulsen) K.A.Sheph. & Paul G	native
Magnoliopsid	Caryophyllales	Chenopodiaceae Vent.	Tecticornia sp. Dennys Crossing (K.A. Shepherd & J	native
Magnoliopsid	Caryophyllales	Frankeniaceae Desv.	Frankenia cinerea A.DC.	native
Magnoliopsid	Caryophyllales	Frankeniaceae Desv.	Frankenia cordata J.M.Black	native
Magnoliopsid	Caryophyllales	Frankeniaceae Desv.	Frankenia L.	
Magnoliopsid	Caryophyllales	Frankeniaceae Desv.	Frankenia setosa W.Fitzg.	native
Magnoliopsid	Caryophyllales	Molluginaceae Bartl.	Hypertelis cerviana (L.) Thulin	native
Magnoliopsid	Caryophyllales	Montiaceae Raf.	Calandrinia balonensis Lindl. Broadleaf Parakeelya	native
Magnoliopsid	Caryophyllales	Montiaceae Raf.	Calandrinia eremaea Ewart Twining Purslane	native
Magnoliopsid	Caryophyllales	Montiaceae Raf.	Calandrinia pumila (Benth.) F.Muell.	native
Magnoliopsid	Caryophyllales	Montiaceae Raf.	Calandrinia reticulata Syeda	native
Magnoliopsid	Caryophyllales	Nyctaginaceae Juss.	Boerhavia coccinea Mill. Tar Vine	mixed
Magnoliopsid	Caryophyllales	Polygonaceae Juss.	Rumex vesicarius L. Ruby Dock	alien
Magnoliopsid	Celastrales	Celastraceae R.Br.	Stackhousia megaloptera F.Muell.	native
Magnoliopsid	Celastrales	Celastraceae R.Br.	Stackhousia muricata subsp. annual (W.R. Barker 21	native
Magnoliopsid	Euasterids I	Boraginaceae Juss.	Euploca heterantha (F.Muell.) M.W.Frohl. & M.W.Cha	native
Magnoliopsid	Euasterids I	Boraginaceae Juss.	Halgania cyanea Lindl.	native
Magnoliopsid	Euasterids I	Boraginaceae Juss.	Halgania cyanea var. Allambi Stn (B.W. Strong 676)	native
Magnoliopsid	Euasterids I	Boraginaceae Juss.	Halgania erecta Ewart & B.Rees	native
Magnoliopsid	Euasterids I	Boraginaceae Juss.	Halgania solanacea var. Mt Doreen (G.M. Chippendal	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia abrupta Maiden & Blakely	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia acuminata Benth. Jam; Mangard	mixed
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia aneura Benth. Mulga; Wanari	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia aptaneura Maslin & J.E.Reid	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia burkittii Benth. Sandhill Wattle	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia caesaneura Maslin & J.E.Reid	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia citrinoviridis Tindale & Maslin	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia colletioides Benth. Wait-a-while	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia exocarpoides W.Fitzg.	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia incurvaneura Maslin & J.E.Reid	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia jennerae Maiden	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia kempeana F.Muell. Ilykuwara; Witchetty Bush	native
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia ligulata Benth.	native

Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia melleodora Pedley	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia Mill.		
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia minyura Randell	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia murrayana Benth.	Sandplain Wattle	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia nyssophylla F.Muell.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia oswaldii F.Muell.	Miljee; Nelia	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia pachyacra Maiden & Blakely	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia pruinocarpa Tindale	Gidgee	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia pteraneura Maslin & J.E.Reid	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia quadrimarginea F.Muell.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia ramulosa var. linophylla (W.Fitzg.)	Pedley	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia rhodophloia Maslin	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia rigens G.Don	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia sibilans Maslin	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia sibina Maslin	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia sibirica S.Moore	Bastard Mulga	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia subcontorta Maslin	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia tetragonophylla F.Muell.	Kurara	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Acacia walkeri Maslin	Walker's Wattle	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Gompholobium polyzygum F.Muell.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Indigofera georgei E.Pritz.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Jacksonia arida Chappill	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Kennedia prorepens (F.Muell.) F.Muell.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Leptosema chambersii F.Muell.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Lotus cruentus Court	Redflower Lotus	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Petalostylis cassioides (F.Muell.) Symon	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Ptychosema pusillum Benth.	Dwarf Pea	native	VU
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna artemisioides (DC.) Randell	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna artemisioides subsp. helmsii (Symon) Randell	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna artemisioides subsp. x artemisioides (DC.) R	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna glaucifolia (Randell) Randell	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna Mill.		
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna notabilis (F.Muell.) Randell	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna pleurocarpa (F.Muell.) Randell	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Senna pleurocarpa (F.Muell.) Randell var. pleuroca	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Swainsona affinis (A.T.Lee) Joy Thomps.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Swainsona kingii F.Muell.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Swainsona microphylla A.Gray	Small-leaf Swainsona	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Swainsona Salisb.		
Magnoliopsid	Fabales	Fabaceae Lindl.	Swainsona tenuis E.Pritz.	native	
Magnoliopsid	Fabales	Fabaceae Lindl.	Swainsona unifoliolata F.Muell.	native	
Magnoliopsid	Fabales	Polygalaceae Hoffmanı	Comesperma viscidulum F.Muell.	Not found	native	P4
Magnoliopsid	Fabales	Polygalaceae Hoffmanı	Polygala isingii Pedley	native	
Magnoliopsid	Fagales	Casuarinaceae R.Br.	Allocasuarina helmsii (Ewart & M.Gordon) L.A.S.Joh	native	
Magnoliopsid	Fagales	Casuarinaceae R.Br.	Casuarina obesa Miq.	native	
Magnoliopsid	Fagales	Casuarinaceae R.Br.	Casuarina pauper L.A.S.Johnson	native	
Magnoliopsid	Gentianales	Apocynaceae Juss.	Cynanchum viminale subsp. australe (R.Br	Caustic Bush	native	
Magnoliopsid	Gentianales	Apocynaceae Juss.	Vincetoxicum lineare (Decne.) Meve & Lie(	Bush Bean	native	
Magnoliopsid	Gentianales	Rubiaceae Juss.	Pomax ammophila Ngugi	native	
Magnoliopsid	Gentianales	Rubiaceae Juss.	Psydrax latifolia (Benth.) S.T.Reynolds & R	Native Plum	native	
Magnoliopsid	Gentianales	Rubiaceae Juss.	Psydrax rigidula S.T.Reynolds & R.J.F.Hend.	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Dicrastylis doranii F.Muell.	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Dicrastylis exsuccosa (F.Muell.) Druce	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Dicrastylis Harv.		
Magnoliopsid	Lamiales	Lamiaceae Martinov	Dicrastylis nicholasii F.Muell.	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Dicrastylis sessilifolia Munir	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Hemigenia botryphylla G.R.Guerin	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Microcorys macredieana F.Muell.	native	

Magnoliopsid	Lamiales	Lamiaceae Martinov	Newcastelia cephalantha F.Muell.	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Newcastelia hexarrhena F.Muell. Lambs' Tails	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Pityrodia loricata (F.Muell.) E.Pritz.	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Prostanthera sericea (J.M.Black) B.J.Conn	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Prostanthera wilkieana F.Muell.	native	
Magnoliopsid	Lamiales	Lamiaceae Martinov	Teucrium teucriiflorum (F.Muell.) Kattari & Salmak	native	
Magnoliopsid	Lamiales	Oleaceae Hoffmanns. &	Jasminum didymum subsp. lineare (R.Br.) P.S.Green	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila abietina Kraenzl.	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila abietina subsp. ciliata Chinnoc Southern Spotted Poverty Bush	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila battii F.Muell.	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila battii subsp. Granite Peaks (A. Chapman	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila clarkei A.F.Oldfield & F.Muell. Turpentine Bush	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila eriocalyx F.Muell.	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila exilifolia F.Muell.	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila foliosissima Kraenzl. Poverty Bush	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila forrestii F.Muell. subsp. forrestii	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila gilesii F.Muell. subsp. gilesii	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila gilesii subsp. variabilis Chinnock	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila glabra (R.Br.) Ostenf. Tar Bush	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila glabra (R.Br.) Ostenf. subsp. g Common Emu Bush	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila glabra subsp. tomentosa Chinnock	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila homoplastica (S.Moore) C.A.Gardner	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila hughesii F.Muell.	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila latrobei F.Muell. subsp. latrobe Native Fuschia	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila latrobei subsp. glabra (L.S.Sm.) Chinno	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila longifolia (R.Br.) F.Muell. Berrigan	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila maculata subsp. brevifolia (Benth.) Chi	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila miniata C.A.Gardner	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila oldfieldii subsp. angustifolia (S.Moore	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila pantonii F.Muell.	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila platythamnos subsp. exotrachys (Kraenzl	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila punctata Chinnock	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila R.Br.		
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila revoluta Chinnock	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila scoparia (R.Br.) F.Muell.	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila serrulata (A.DC.) Druce Serrate-leaved Eremophila	native	
Magnoliopsid	Lamiales	Scrophulariaceae Juss	Eremophila viscimarginata Chinnock Not found	native	P1
Magnoliopsid	Malpighiales	Elatinaceae Dumort.	Elatine gratioloides A.Cunn.	native	
Magnoliopsid	Malpighiales	Euphorbiaceae Juss.	Euphorbia albrechtii Halford & W.K.Harris	native	
Magnoliopsid	Malpighiales	Euphorbiaceae Juss.	Euphorbia tannensis subsp. eremophila (A Desert Spurge	native	
Magnoliopsid	Malpighiales	Phyllanthaceae Martinc	Poranthera leiosperma Halford & R.J.F.Hend.	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Abutilon leucopetalum (F.Muell.) Benth. Desert Chinese Lantern	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Abutilon otocarpum F.Muell. Desert Chinese Lantern	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Abutilon oxycarpum (F.Muell.) Benth. Flannel Weed	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Abutilon sp. Warburton (A.S. George 8164 Not found	native	P1
Magnoliopsid	Malvales	Malvaceae Juss.	Alyogyne pinoniana (Gaudich.) Fryxell Sand Hibiscus	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Androcalva loxophylla (F.Muell.) C.F.Wilkins & Whi	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Hibiscus burtonii F.M.Bailey	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Hibiscus sturtii var. truncatus Fryxell	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Lawrencia glomerata Hook.	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Seringia exastia (C.F.Wilkins) C.F.Wilkins Fringed fire-bush	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Sida calyxhymenia DC. Tall Sida	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Sida ectogama W.R.Barker & R.M.Barker	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Sida fibulifera Lindl. Silver Sida	native	
Magnoliopsid	Malvales	Malvaceae Juss.	Sida intricata F.Muell. Tangled Sida	native	
Magnoliopsid	Malvales	Thymelaeaceae Juss.	Pimelea microcephala R.Br. subsp. microcephala	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Aluta maisonneuvei subsp. auriculata (F.Muell.) Ry	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Calytrix carinata Craven	native	

Magnoliopsid	Myrtales	Myrtaceae Juss.	Calytrix warburtonensis Craven	Not found	native	P2
Magnoliopsid	Myrtales	Myrtaceae Juss.	Corymbia eremaea (D.J.Carr & S.G.M.Carr) K.D.Hill		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Corymbia hamersleyana (D.J.Carr & S.G.M.Carr) K.D.		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Corymbia opaca (D.J.Carr & S.G.M.Carr) K.D.Hill &		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Corymbia terminalis (F.Muell.) K.D.Hill & L.A.S.Jo			
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus camaldulensis subsp. obtusa (Blakely) B		mixed	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus concinna Maiden & Blakely		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus eremicola Boomsma		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus eremicola Boomsma subsp. eremicola		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus eremicola subsp. peeneri (Blakely) D.Ni		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus ewartiana Maiden	Ewart's Mallee	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus glomerosa Brooker & Hopper	Jinjulu	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus gongylocarpa Blakely		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus gypsophila D.Nicolle		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus intertexta R.T.Baker	Barstard Coolibah	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus kingsmillii (Maiden) Maiden & E	Kingsmill's Mallee	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus leptopoda subsp. elevata L.A.S.Johnson		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus L'Her.			
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus lucasii Blakely		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus oldfieldii F.Muell.	Oldfield's Mallee	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus pachyphylla F.Muell.	Thick-leaved Mallee	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus rigidula Maiden		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus rigidula subsp. interior D.Nicolle & M.		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus rosacea L.A.S.Johnson & K.D.Hill		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus socialis Miq.	Red Mallee	native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus sp. Little Sandy Desert (D. Nicolle & M		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus trivalva Blakely		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus victrix L.A.S.Johnson & K.D.Hill		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Eucalyptus youngiana F.Muell.		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Homalocalyx thryptomenoides (F.Muell.) Craven		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Lamarchea sulcata A.S.George		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Melaleuca eleuterostachya F.Muell.		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Micromyrtus barbata J.W.Green		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Micromyrtus flaviflora (F.Muell.) J.M.Black		native	
Magnoliopsid	Myrtales	Myrtaceae Juss.	Verticordia jamiesonii F.Muell.	Not found	native	P3
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea acacioides McGill.		native	
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea berryana Ewart & Jean White		native	
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea eriostachya Lindl.	Flame Grevillea; Kaliny-kalinypa	native	
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea juncifolia Hook. subsp. juncifolia		native	
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea nematophylla F.Muell.		native	
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea nematophylla subsp. planicosta Makinson		native	
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea pterosperma F.Muell.		native	
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea secunda McGill.	Not found	native	P4
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea sp. Victoria Desert (R. Davis et al	Not found	native	P1
Magnoliopsid	Proteales	Proteaceae Juss.	Grevillea stenobotrya F.Muell.		native	
Magnoliopsid	Proteales	Proteaceae Juss.	Hakea lorea (R.Br.) R.Br. subsp. lorea		native	
Magnoliopsid	Santalales	Loranthaceae Juss.	Amyema gibberula (Tate) Danser var. gibberula		native	
Magnoliopsid	Santalales	Loranthaceae Juss.	Amyema miquelii (Miq.) Tiegh.	Stalked Mistletoe	native	
Magnoliopsid	Santalales	Loranthaceae Juss.	Amyema preissii (Miq.) Tiegh.	Wireleaf Mistletoe	native	
Magnoliopsid	Santalales	Loranthaceae Juss.	Lysiana exocarpi (Behr) Tiegh. subsp. exo	Harlequin Mistletoe	native	
Magnoliopsid	Santalales	Loranthaceae Juss.	Lysiana murrayi (F.Muell. & Tate) Tiegh.	Mistletoe	native	
Magnoliopsid	Santalales	Santalaceae R.Br.	Anthobolus leptomerioides F.Muell.		native	
Magnoliopsid	Santalales	Santalaceae R.Br.	Santalum lanceolatum R.Br.	Northern Sandalwood	native	
Magnoliopsid	Sapindales	Sapindaceae Juss.	Diplopeltis stuartii F.Muell. var. stuartii	Desert Pepperflower	native	
Magnoliopsid	Sapindales	Sapindaceae Juss.	Dodonaea rigida J.G.West		native	
Magnoliopsid	Saxifragales	Crassulaceae J.St.-Hil.	Crassula colorata var. acuminata (Reader) Toelken		native	
Magnoliopsid	Saxifragales	Crassulaceae J.St.-Hil.	Crassula tetramera (Toelken) A.P.Druce & Sykes		native	
Magnoliopsid	Saxifragales	Haloragaceae R.Br.	Haloragis odontocarpa F.Muell.		native	

Magnoliopsid	Saxifragales	Haloragaceae R.Br.	Haloragis odontocarpa forma pterocarpa Orchard		native
Magnoliopsid	Saxifragales	Haloragaceae R.Br.	Haloragis odontocarpa forma rugosa Orchard		native
Magnoliopsid	Saxifragales	Haloragaceae R.Br.	Haloragis trigonocarpa F.Muell.		native
Magnoliopsid	Solanales	Convolvulaceae Juss.	Bonamia erecta R.W.Johnson		native
Magnoliopsid	Solanales	Solanaceae Juss.	Anthotroche pannosa Endl.	Felted Anthotroche	native
Magnoliopsid	Solanales	Solanaceae Juss.	Duboisia hopwoodii (F.Muell.) F.Muell.		native
Magnoliopsid	Solanales	Solanaceae Juss.	Nicotiana heterantha Symon & Kenneally		native
Magnoliopsid	Solanales	Solanaceae Juss.	Nicotiana ingulba J.M.Black		native
Magnoliopsid	Solanales	Solanaceae Juss.	Nicotiana obliqua (N.T.Burb.) M.W.Chase & Christen		native
Magnoliopsid	Solanales	Solanaceae Juss.	Nicotiana pila M.W.Chase & Christenh.		native
Magnoliopsid	Solanales	Solanaceae Juss.	Nicotiana rosulata (S.Moore) Domin		native
Magnoliopsid	Solanales	Solanaceae Juss.	Nicotiana rupestris M.W.Chase & Christenh.		native
Magnoliopsid	Solanales	Solanaceae Juss.	Solanum centrale J.M.Black	Desert Raisin	native
Magnoliopsid	Solanales	Solanaceae Juss.	Solanum coactiliferum J.M.Black		native
Magnoliopsid	Solanales	Solanaceae Juss.	Solanum lasiophyllum Poir.	Flannel Bush	mixed
Magnoliopsid	Solanales	Solanaceae Juss.	Solanum orbiculatum Poir.		native
Magnoliopsid	Solanales	Solanaceae Juss.	Solanum orbiculatum Poir. subsp. orbicula	Round-leaved Solanum	native
Magnoliopsid	Zygophyllales	Zygophyllaceae R.Br.	Roepera aurantiaca Lindl. subsp. aurantiaca		native
Magnoliopsid	Zygophyllales	Zygophyllaceae R.Br.	Roepera compressa (J.M.Black) Beier & Thulin		native
Magnoliopsid	Zygophyllales	Zygophyllaceae R.Br.	Roepera eichleri (R.M.Barker) Beier & Thulin		native
Magnoliopsid	Zygophyllales	Zygophyllaceae R.Br.	Roepera eremaea (Diels) Beier & Thulin		native
Magnoliopsid	Zygophyllales	Zygophyllaceae R.Br.	Roepera similis (H.Eichler) Beier & Thulin		native
Magnoliopsid	Zygophyllales	Zygophyllaceae R.Br.	Tribulus astrocarpus F.Muell.		native
Pinopsida	Pinales	Cupressaceae Gray	Callitris columellaris F.Muell.		mixed
Psilotopsida	Ophioglossales	Ophioglossaceae Marti	Ophioglossum lusitanicum L.		native
Pteridopsida	Polypodiales	Pteridaceae E.D.M.Kirc	Cheilanthes sieberi Kunze subsp. sieberi		native

Summary by Class	
Class	**Taxa**
Liliopsida	53
Magnoliopsida	368
Pinopsida	1
Psilotopsida	1
Pteridopsida	1
TOTAL	**424**

Top 5 Families by Species Count	
Family	**Taxa**
Fabaceae Lindl.	54
Chenopodiaceae Ve	43
Poaceae Barnhart	43
Asteraceae Bercht.	40
Myrtaceae Juss.	37

Summary by Conservation Code	
Code	**Taxa**
P1	4
P2	1
P3	2
P4	3
VU	1

Dandjoo Terrestrial Vertebrate Fauna Species List

Source: Dandjoo – Department of Biodiversity, Conservation and Attractions
Method: User defined circle: 50.0 km
Dandjoo Export: Dandjoo_Great Central Rd_clipped_combined_filtered_fauna.xlsm
Filter: Kingdon = Animalia, Phylum = Chordata

Class	Order	Family	Taxon	Common Name	Estab.	Code
Amphibia	Anura	Limnodynastidae	Neobatrachus aquilonius Martin, Tyler & D	Northern Burrowing Frog	native	
Amphibia	Anura	Limnodynastidae	Neobatrachus Peters, 1863			
Amphibia	Anura	Limnodynastidae	Neobatrachus sudellae (Lamb, 1911)		native	
Amphibia	Anura	Limnodynastidae	Neobatrachus sutor Main, 1957	Shoemaker Frog	native	
Aves	Columbiformes	Columbidae	Geopelia cuneata (Latham, 1802)	Diamond Dove	native	
Aves	Galliformes	Megapodiidae	Leipoa ocellata Gould, 1840	Malleefowl	native	VU
Aves	Passeriformes	Acanthizidae	Acanthiza apicalis apicalis Gould, 1847	Broad-tailed Thornbill	native	
Aves	Passeriformes	Acanthizidae	Acanthiza apicalis Gould, 1847	Broad-tailed Thornbill	native	
Aves	Passeriformes	Acanthizidae	Acanthiza robustirostris Milligan, 1903	Slaty-backed Thornbill	native	
Aves	Passeriformes	Acanthizidae	Acanthiza uropygialis Gould, 1838	Chestnut-rumped Thornbill	native	
Aves	Passeriformes	Acanthizidae	Aphelocephala leucopsis castaneiventris (I	Southern Whiteface	native	
Aves	Passeriformes	Acanthizidae	Aphelocephala leucopsis leucopsis (Gould, 1841)		native	
Aves	Passeriformes	Acanthizidae	Pyrrholaemus brunneus Gould, 1841	Redthroat	native	
Aves	Passeriformes	Artamidae	Artamus cinereus Vieillot, 1817	Black-faced Woodswallow	native	
Aves	Passeriformes	Artamidae	Artamus minor Vieillot, 1817	Little Woodswallow	native	
Aves	Passeriformes	Campephagidae	Coracina novaehollandiae (Gmelin, 1789)	Black-faced Cuckoo-shrike	native	
Aves	Passeriformes	Cinclosomatidae	Cinclosoma clarum Morgan, 1926	Western Chestnut Quail-thrush	native	
Aves	Passeriformes	Cinclosomatidae	Cinclosoma marginatum Sharpe, 1883		native	
Aves	Passeriformes	Estrildidae	Taeniopygia guttata (Vieillot, 1817)	Zebra Finch	native	
Aves	Passeriformes	Hirundinidae	Cheramoeca leucosterna (Gould, 1841)	White-backed Swallow	native	
Aves	Passeriformes	Maluridae	Malurus assimilis assimilis North, 1901			
Aves	Passeriformes	Maluridae	Malurus callainus Gould, 1867	Turquoise Fairywren	native	
Aves	Passeriformes	Maluridae	Malurus lamberti Vigors & Horsfield, 1827	Variegated Fairy-wren	mixed	
Aves	Passeriformes	Maluridae	Malurus leucopterus leuconotus Gould, 18	White-winged Fairy-wren	native	
Aves	Passeriformes	Maluridae	Malurus splendens (Quoy & Gaimard, 183	Splendid Fairy-wren	native	
Aves	Passeriformes	Meliphagidae	Acanthagenys rufogularis Gould, 1838	Spiny-cheeked Honeyeater	native	
Aves	Passeriformes	Meliphagidae	Epthianura tricolor Gould, 1841	Crimson Chat	native	
Aves	Passeriformes	Meliphagidae	Gavicalis virescens (Vieillot, 1817)	Singing Honeyeater	native	
Aves	Passeriformes	Meliphagidae	Manorina flavigula (Gould, 1840)	Yellow-throated Miner	native	
Aves	Passeriformes	Meliphagidae	Ptilotula plumula (Gould, 1841)	Grey-fronted Honeyeater	native	
Aves	Passeriformes	Motacillidae	Anthus novaeseelandiae (J.F.Gmelin, 1789)		alien	
Aves	Passeriformes	Oreoicidae	Oreoica gutturalis (Vigors & Horsfield, 182	Crested Bellbird	native	
Aves	Passeriformes	Pachycephalidae	Colluricincla harmonica rufiventris Gould, 1	Grey Shrike-thrush	native	
Aves	Passeriformes	Pardalotidae	Pardalotus rubricatus Gould, 1838	Red-browed Pardalote	native	
Aves	Passeriformes	Pardalotidae	Pardalotus striatus westraliensis Mathews, 1912		native	
Aves	Passeriformes	Petroicidae Mathews, 1	Melanodryas cucullata (Latham, 1802)	Hooded Robin	native	
Aves	Passeriformes	Petroicidae Mathews, 1	Petroica goodenovii (Vigors & Horsfield, 18	Red-capped Robin	native	
Aves	Passeriformes	Pomatostomidae	Pomatostomus superciliosus (Vigors & Ho	White-browed Babbler	native	
Aves	Psittaciformes	Psittaculidae	Neopsephotus bourkii (Gould, 1841)	Bourke's Parrot		
Aves	Psittaciformes	Psittaculidae	Polytelis alexandrae Gould, 1863	Princess Parrot	native	P4
Aves	Strigiformes	Strigidae	Ninox boobook boobook (Latham, 1801)	Southern Boobook	native	
Mammalia	Carnivora	Canidae	Canis familiaris L., 1758		alien	
Mammalia	Chiroptera	Emballonuridae	Taphozous hilli Kitchener, 1980		native	
Mammalia	Chiroptera	Megadermatidae	Macroderma gigas (Dobson, 1880)	Ghost Bat	native	VU
Mammalia	Chiroptera	Molossidae	Austronomus australis Gray, 1838	White-striped Free-tailed Bat	native	
Mammalia	Chiroptera	Vespertilionidae	Nyctophilus geoffroyi geoffroyi Leach, 1821	Lesser Long-eared Bat	native	
Mammalia	Chiroptera	Vespertilionidae	Vespadelus finlaysoni (Kitchener, Jones &	Finlayson's Cave Bat	native	
Mammalia	Dasyuromorphia	Dasyuridae	Dasycercus blythi (Waite, 1904)	Brush-tailed Mulgara', 'Spinifex Mu	native	P4
Mammalia	Dasyuromorphia	Dasyuridae	Dasyurus geoffroii fortis Thomas, 1906	Chuditch	native	VU

Mammalia	Dasyuromorphia	Dasyuridae	Dasyurus geoffroii Gould, 1841	Not found	native	VU
Mammalia	Dasyuromorphia	Dasyuridae	Ningaui ridei Archer, 1975	Wongai Ningaui	native	
Mammalia	Dasyuromorphia	Dasyuridae	Ningaui yvonneae Kitchener, Stoddart & H	Southern Ningaui	native	
Mammalia	Dasyuromorphia	Dasyuridae	Pseudantechinus macdonnellensis (Spencer, 1895)		native	
Mammalia	Dasyuromorphia	Dasyuridae	Sminthopsis macroura (Gould, 1845)	Stripe-faced Dunnart	native	
Mammalia	Dasyuromorphia	Dasyuridae	Sminthopsis ooldea Troughton, 1965	Ooldea Dunnart	native	
Mammalia	Dasyuromorphia	Dasyuridae	Sminthopsis youngsoni McKenzie & Arche	Lesser Hairy-footed Dunnart	native	
Mammalia	Diprotodontia	Macropodidae	Onychogalea lunata (Gould, 1841)	Crescent Nailtail Wallaby	native	EX
Mammalia	Diprotodontia	Macropodidae	Osphranter robustus erubescens (Sclater, 1870)		native	
Mammalia	Diprotodontia	Macropodidae	Osphranter rufus (Desmarest, 1822)	Red Kangaroo	native	
Mammalia	Diprotodontia	Phalangeridae	Trichosurus			
Mammalia	Diprotodontia	Phalangeridae	Trichosurus vulpecula hypoleucus (Wagner, 1855)		native	
Mammalia	Peramelemorphia	Peramelidae	Perameles bougainville Quoy & Gaimard, '	Shark Bay Bandicoot	native	VU
Mammalia	Rodentia	Muridae	Mus musculus Linnaeus, 1758	House Mouse	alien	
Mammalia	Rodentia	Muridae	Notomys alexis Thomas, 1922		native	
Mammalia	Rodentia	Muridae	Notomys Lesson, 1842			
Mammalia	Rodentia	Muridae	Pseudomys hermannsburgensis (Waite, 18	Sandy Inland Mouse	native	
Reptilia	Squamata	Agamidae	Ctenophorus Fitzinger, 1843			
Reptilia	Squamata	Agamidae	Ctenophorus fordi (Storr, 1965)	Western Mallee Dragon	native	
Reptilia	Squamata	Agamidae	Ctenophorus isolepis (Fischer, 1881)		native	
Reptilia	Squamata	Agamidae	Ctenophorus isolepis gularis (Sternfeld, 19	Central Military Dragon	native	
Reptilia	Squamata	Agamidae	Ctenophorus nuchalis (De Vis, 1884)	Central Netted Dragon	native	
Reptilia	Squamata	Agamidae	Ctenophorus reticulatus (Gray, 1845)	Western Netted Dragon	native	
Reptilia	Squamata	Agamidae	Ctenophorus salinarum (Storr, 1966)	Salt Pan Dragon	native	
Reptilia	Squamata	Agamidae	Ctenophorus scutulatus (Stirling & Zietz, 18	Lozenge-marked Dragon	native	
Reptilia	Squamata	Agamidae	Diporiphora paraconvergens Doughty, Kea	Grey-striped Western Desert Drag	native	
Reptilia	Squamata	Agamidae	Gowidon longirostris (Boulenger, 1883)	Long-nosed Dragon	native	
Reptilia	Squamata	Agamidae	Moloch horridus Gray, 1841	Thorny Devil	native	
Reptilia	Squamata	Agamidae	Pogona minor (Sternfeld, 1919)		native	
Reptilia	Squamata	Agamidae	Pogona minor minor (Sternfeld, 1919)	Western Bearded Dragon	native	
Reptilia	Squamata	Carphodactylidae	Nephrurus laevissimus Mertens, 1958		native	
Reptilia	Squamata	Carphodactylidae	Nephrurus levis levis de Vis, 1886		native	
Reptilia	Squamata	Carphodactylidae	Nephrurus vertebralis Storr, 1963		native	
Reptilia	Squamata	Diplodactylidae	Diplodactylus conspicillatus Lucas & Frost,	Variable Fat-tailed Gecko	native	
Reptilia	Squamata	Diplodactylidae	Lucasium stenodactylus (Boulenger, 1896)	Western Sandplain Gecko	native	
Reptilia	Squamata	Diplodactylidae	Rhynchoedura ornata GÃ¼nther, 1867		native	
Reptilia	Squamata	Diplodactylidae	Strophurus ciliaris aberrans (Glauert, 1952	Northern Spiny-tailed Gecko	native	
Reptilia	Squamata	Diplodactylidae	Strophurus elderi (Stirling & Zietz, 1893)	Jewelled Gecko	native	
Reptilia	Squamata	Diplodactylidae	Strophurus strophurus DumÃ©ril & Bibron,	Western Spiny-tailed Gecko	native	
Reptilia	Squamata	Elapidae	Brachyurophis approximans (Glauert, 1954	North-western Shovel-nosed Snak	native	
Reptilia	Squamata	Elapidae	Brachyurophis semifasciatus (GÃ¼nther, 1	Southern Shovel-nosed Snake	native	
Reptilia	Squamata	Elapidae	Pseudonaja modesta (GÃ¼nther, 1872)	Ringed Brown Snake	native	
Reptilia	Squamata	Gekkonidae	Gehyra montium Storr, 1982	Central Rock Dtella	native	
Reptilia	Squamata	Gekkonidae	Gehyra nana Storr, 1978		native	
Reptilia	Squamata	Gekkonidae	Gehyra purpurascens Storr, 1982	Purple Dtella	native	
Reptilia	Squamata	Gekkonidae	Gehyra variegata (DumÃ©ril & Bibron, 183	Variegated Gehyra	native	
Reptilia	Squamata	Gekkonidae	Heteronotia binoei (Gray, 1845)	Bynoe's Gecko	native	
Reptilia	Squamata	Gekkonidae	Underwoodisaurus milii Bory de Saint-Vinc	Southern Barking Gecko	native	
Reptilia	Squamata	Pygopodidae	Delma butleri Storr, 1987	Unbanded Delma	native	
Reptilia	Squamata	Pygopodidae	Delma desmosa Maryan, Aplin & Adams, 2	Banded Delma	native	
Reptilia	Squamata	Pygopodidae	Lialis burtonis Gray, 1835	Burton's Snake-lizard	native	
Reptilia	Squamata	Pythonidae	Antaresia childreni (Gray, 1842)	Children's Python	native	
Reptilia	Squamata	Scincidae	Cryptoblepharus buchananii (Gray, 1838)	Buchanan's Snake-eyed Skink	native	
Reptilia	Squamata	Scincidae	Ctenotus brooksi (Loveridge, 1933)	Brook's Wedge-snouted Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus calurus Storr, 1969	Blue-tailed Skink	native	
Reptilia	Squamata	Scincidae	Ctenotus dux Storr, 1969	Narrow-lined Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus grandis grandis Storr, 1969	Giant Desert Ctenotus	native	

Reptilia	Squamata	Scincidae	Ctenotus greeri Storr, 1979		native	
Reptilia	Squamata	Scincidae	Ctenotus helenae Storr, 1969	Dusky Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus leae (Boulenger, 1887)	Centralian Coppertail	native	
Reptilia	Squamata	Scincidae	Ctenotus leonhardii (Sternfeld, 1919)	Common Desert Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus nasutus Storr, 1979	Nasute Finesnout Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus pantherinus (Peters, 1866)	Leopard Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus piankai Storr, 1969	Coarse Sands Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus quattuordecimlineatus (Sternfeld,	Fourteen-lined Ctenotus	native	
Reptilia	Squamata	Scincidae	Ctenotus schomburgkii (Peters, 1863)	Sandplain Ctenotus	native	
Reptilia	Squamata	Scincidae	Cyclodomorphus melanops melanops (Stir	Spinifex Slender Blue-tongue	native	
Reptilia	Squamata	Scincidae	Egernia formosa Fry, 1914	Goldfields Crevice-skink	native	
Reptilia	Squamata	Scincidae	Eremiascincus pallidus GÃ¼nther, 1875	Western Narrow-banded Skink	native	
Reptilia	Squamata	Scincidae	Lerista bipes (Fischer, 1882)		native	
Reptilia	Squamata	Scincidae	Lerista desertorum (Sternfeld, 1919)	Great Desert Slider	native	
Reptilia	Squamata	Scincidae	Lerista timida (de Vis, 1888)	Dwarf Three-toed Slider	native	
Reptilia	Squamata	Scincidae	Liopholis inornata (Rosen, 1905)	Desert Skink	native	
Reptilia	Squamata	Scincidae	Liopholis striata (Sternfeld, 1919)	Night Skink	native	
Reptilia	Squamata	Scincidae	Menetia greyii Gray, 1845	Common Dwarf Skink	native	
Reptilia	Squamata	Scincidae	Morethia butleri (Storr, 1963)	Butler's Snake-eye	native	
Reptilia	Squamata	Scincidae	Morethia ruficauda (Lucas & Frost, 1895)		native	
Reptilia	Squamata	Scincidae	Tiliqua multifasciata Sternfeld, 1919	Central Blue-tongue Skink	native	
Reptilia	Squamata	Typhlopidae Merrem, 1	Anilios endoterus (Waite, 1918)	Centralian Blind Snake	native	
Reptilia	Squamata	Typhlopidae Merrem, 1	Anilios margaretae (Storr, 1981)	buff snouted blind snake (Lake Th	native	P2
Reptilia	Squamata	Varanidae	Varanus gouldii (Gray, 1838)	Bungarra or Sand Goanna; Bunga	native	
Reptilia	Squamata	Varanidae	Varanus tristis (Schlegel, 1839)	Black-headed Monitor	native	

Summary by Class	
Class	**Taxa**
Amphibia	4
Aves	37
Mammalia	25
Reptilia	65
TOTAL	**131**

Top 5 Families by Species Count	
Family	**Taxa**
Scincidae	26
Agamidae	13
Dasyuridae	9
Acanthizidae	7
Gekkonidae	6

Summary by Conservation Code	
Code	**Taxa**
P2	1
P4	2
VU	5
EX	1

APPENDIX I:
POTENTIAL FAUNA LIST

Fauna Recorded or Potentially in Region of Project Area

Compiled by Greg Harewood - July 2025

Recorded (Captured/Sighted/Heard/Signs) = X

MRWA - Great Central Road Biological Survey - 2025

Botanica (2020). Flora/ Vegetation and Fauna Assessment of the Great Central Road Stage 1 Biological Survey. Unpublished report for MRWA. April 2020.

Harewood, G (2017). Fauna Survey (Level 2) Phase 1 and 2 - Lake Wells Potash Project. Unpublished report for Australian Potash Limited. August 2017.

Rapallo Environmental (2015). Fauna Survey of the Gruyere Project Area. Unpublished report for Gold Road Resources Limited. May 2015.

Harewood G. (2014). Fauna Assessmnet (Level 1) Gruyere Project. Unpublished report for Gold Road Resources. July 2014.

KEC (2014). Sunrise Dam-Tropicana Infrastructure Corridor Fauna Survey. Unpublished report for AngloGold Ashanti. July 2014.

KLA (2012). Fauna Assessment (Level 2) Yamarna Project. Unpublished report for Gold Road Resources Ltd. October 2012.

Terrestrial Ecosystems (2011). Level 2 Fauna Risk Assessment for the Granny Deeps Project Area. Unpublished report. February 2011.

ecologia (2009). Tropicana Gold Project. Operational Area Vertebrate Fauna Assessment. Unpublished report for Tropicana Joint Venture. February 2009.

Hall, N.J., McKenzie, N.L. and Keighery, G.J. (eds) (1994). The Biological Survey of the Eastern Goldfields of WA - Pt 10: Sandstone-Sir Samuel and Laverton-Leonora Study Areas. Records of the WAM, Supplement 47: 1 – 166.

DBCA (2025). Dandjoo Database Search – Method = 'User defined polygon" MRWA GCR Survey Area + 40km Buffer. Accessed 3 July 2025.

Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Amphibia												
Myobatrachidae Ground or Burrowing Frogs												
Neobatrachus aquilonius	Northern Burrowing Frog	LC		X								
Neobatrachus centralis	Desert Trilling Frog	LC										
Neobatrachus kunapalari	Kunapalari Frog	LC							X		X	
Neobatrachus sudellae	Kunapalari Frog	LC										X

BC Act Status - S1 to S7, EPBC Act Status - CR - Critically Endangered, EN = Endangered, VU = Vulnerable, EX = Extinct, Mig = Migratory, DBCA Priority Status - P1 to P4, Int. Agmts - CA = CAMBA, JA = JAMBA, RK = ROKAMBA, IUCN Red List Category Definitions - LC =Least Concern, see https://www.iucnredlist.org/resources/categories-and-criteriafor others

Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Neobatrachus sutor	Shoemaker Frog	LC		X			X	X	X			
Neobatrachus wilsmorei	Plonking Frog	LC										
Notaden nichollsi	Desert Spadefoot	LC		X								
Platyplectrum spenceri	Centralian Burrowing Frog	LC										
Pseudophryne occidentalis	Western Toadlet	LC										
Hylidae Tree or Water-Holding Frogs												
Cyclorana maini	Sheep Frog	LC		X					X		X	
Cyclorana occidentalis	Western Western Water-holding Frog	LC							X		X	

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Reptilia												
Carphodactylidae Knob-tailed Geckos												
Nephrurus laevissimus	Pale Knob-tailed Gecko	LC		X	X		X			X		X
Nephrurus levis	Smooth Knob-tailed Gecko	LC					X			X		X
Nephrurus vertebralis	Midline Knob-tailed Gecko	LC										X

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Diplodactylidae Geckoes												
Diplodactylus conspicillatus	Fat-tailed Gecko	LC			X		X	X		X	X	X
Diplodactylus granariensis	Western Stone Gecko	LC		X					X	X		
Diplodactylus pulcher	Western Saddled Ground Gecko	LC						X	X			
Lucasium damaeum	Beaded Gecko	LC			X		X			X		
Lucasium squarrosus	Mottled Ground Gecko	LC									X	
Lucasium stenodactylus	Sand-plain Gecko	LC										X
Rhynchoedura ornata	Beaked Gecko	LC			X		X		X	X	X	X
Strophurus assimilis	Goldfields Spiny-tailed Gecko	LC					X					
Strophurus ciliaris	Spiny-tailed Gecko	LC										X
Strophurus elderi	Jewelled Gecko	LC			X		X			X	X	X

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Strophurus intermedius	Southern Spiny-tailed Gecko	LC						X				
Strophurus strophurus	Ring-tailed Gecko	LC		X	X					X	X	X
Strophurus wellingtonae	Western-shield Spiny-tailed Gecko	LC							X		X	
Gekkonidae Geckoes												
Gehyra montium	Central Rock Dtella	LC										X
Gehyra purpurascens	Purple Arid Dtella	LC		X	X		X			X	X	X
Gehyra variegata	Variegated Dtella	LC		X	X		X	X	X	X	X	X
Hemidactylus frenatus	Asian House Gecko	Introduced		X								
Heteronotia binoei	Bynoe's Gecko	LC		X	X		X	X	X	X	X	X
Underwoodisaurus milii	Barking Gecko	LC		X							X	X

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Pygopodidae Legless Lizards												
Aprasia inaurita	Red-tailed Worm Lizard	LC		X								
Delma australis	Marble-faced Delma	LC		X								
Delma butleri	Unbanded Delma	LC		X		X				X	X	X
Delma desmosa	Desert Delma	LC										X
Delma nasuta	Long-nosed Delma	LC			X		X			X	X	
Delma petersoni	Peterson’s Delma	LC					X			X		
Lialis burtonis	Burton’s Legless Lizard	LC		X	X	X				X	X	X
Pygopus nigriceps	Hooded Scaly Foot	LC		X	X		X	X		X		

Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Agamidae Dragon Lizards												
Caimanops amphiboluroides	Mulga Dragon	LC			X			X	X	X		
Ctenophorus caudicinctus	Ring-tailed Dragon	LC		X				X				
Ctenophorus clayi	Collared Dragon	LC								X		
Ctenophorus cristatus	Bicycle Dragon	LC	X				X			X		
Ctenophorus fordi	Mallee Sand Dragon	LC					X			X	X	
Ctenophorus isolepis	Military Dragon	LC	X	X	X	X	X			X	X	X
Ctenophorus nuchalis	Central Netted Dragon	LC	X	X	X					X	X	X
Ctenophorus pictus	Painted Dragon	LC						X				
Ctenophorus reticulatus	Western Netted Dragon	LC	X	X	X			X		X	X	X
Ctenophorus salinarum	Salt Pan Dragon	LC									X	X

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Ctenophorus scutulatus	Lozenge-marked Bicycle Dragon	LC		X	X		X	X			X	X
Diporiphora paraconvergens	Grey-striped Western Desert Dragon	LC			X							X
Diporiphora reginae	Red-rumped Two-lined Dragon	LC					X			X		
Gowidon longirostris	Long-nosed Dragon	LC								X		X
Moloch horridus	Thorny Devil	LC	X	X	X	X	X			X	X	X
Pogona minor	Western Bearded Dragon	LC		X	X		X			X	X	X
Tympanocryptis cephala	Pebble Dragon	LC							X			

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Varanidae Monitor's or Goanna's												
Varanus brevicauda	Short-tailed Pygmy Monitor	LC			X					X	X	
Varanus caudolineatus	Stripe-tailed Pygmy Monitor	LC						X	X		X	
Varanus eremius	Pygmy Desert Monitor	LC		X						X		
Varanus giganteus	Perentie	LC		X	X	X	X			X		
Varanus gilleni	Pygmy Mulga Monitor	LC		X						X		
Varanus gouldii	Sand Monitor	LC	X	X	X		X	X		X	X	X
Varanus panoptes	Yellow-spotted Monitor	LC			X		X		X			
Varanus tristis	Black-headed Monitor	LC		X	X		X			X		

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Scincidae Skinks												
Cryptoblepharus buchananii	Fence Skink	LC									X	X
Cryptoblepharus carnabyi	Spiny-palmed Fence Skink	LC								X	X	
Ctenotus ariadnae	Ariadna's Ctenotus	LC								X		
Ctenotus brooksi	Central Wedge-snout Ctenotus	LC			X		X			X		X
Ctenotus calurus	Blue-tailed Skink	LC			X		X			X		
Ctenotus dux	Narrow-lined Skink	LC		X	X	X	X			X		X
Ctenotus grandis	Giant Desert Ctenotus	LC		X						X		X
Ctenotus greeri	Spotted-necked Ctenotus	LC		X			X			X	X	X
Ctenotus hanloni	Nimble Ctenotus	LC										
Ctenotus helenae	Dusky Ctenotus	LC		X	X		X	X		X	X	X

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Ctenotus leonhardii	Leonhardi's Skink	LC	X	X	X		X	X	X	X		X
Ctenotus nasutus	Long-snouted Ctenotus	LC			X							
Ctenotus pantherinus	Leopard Ctenotus	LC		X	X	X	X	X		X	X	X
Ctenotus piankai	Coarse Sands Ctenotus	LC			X							X
Ctenotus quattuordecimlineatus	Fourteen-lined Ctenotus	LC		X	X		X			X		X
Ctenotus schomburgkii	Barred Wedge-snout Ctenotus	LC		X	X	X	X			X	X	X
Ctenotus severus	Stern Rock Ctenotus	LC										
Ctenotus uber	Spotted Ctenotus	LC		X	X							
Cyclodomorphus melanops	Eastern Slender Blue-tongue	LC					X			X		X
Egernia depressa	Pygmy Spiny-tailed Skink	LC					X		X			
Egernia formosa	Goldfields Crevise Skink	LC		X								X

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Eremiascincus pallidus	Pale Sand-swimmer	LC		X	X		X	X	X	X		X
Lerista bipes	Western Two-toed Slider	LC		X	X	X	X			X		X
Lerista desertorum	Great Desert Slider	LC		X	X		X	X	X	X	X	X
Lerista kingi	Common Mulch Skink	LC									X	
Lerista taeniata	Ribbon Slider	LC								X		
Lerista timida	Timid Slider	LC		X	X		X			X		X
Liopholis inornata	Desert Skink	LC		X			X	X		X		X
Liopholis kintorei	Great Desert Skink	VU										
Liopholis striata	Night Skink	LC			X					X		
Menetia greyii	Dwarf Skink	LC		X			X		X	X	X	X
Morethia butleri	Woodland Dark-flecked Morethia	LC		X			X		X	X	X	X

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Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Morethia ruficauda	Fire-tailed Skink	LC										X
Proablepharus reginae	Western Soil-Crevice Skink	LC					X			X		
Tiliqua multifasciata	Central Blue-tongue	LC		X				X	X	X	X	X
Tiliqua occipitalis	Western Bluetongue	LC					X			X	X	
Typhlopidae Blind Snakes												
Anilios bicolor	Dark-spined Blind Snake	LC							X			
Anilios endoterus	Interior Blind Snake	LC		X						X		X
Anilios hamatus	Northern Hook-snouted Blind Snake	LC									X	
Anilios waitii	Common Beaked Blind Snake	LC								X		
Boidae Pythons, Boas												
Antaresia stimsoni	Stimson's Python	LC		X								

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Elapidae Elapid Snakes												
Acanthophis pyrrhus	Desert Death Adder	LC								X		
Brachyurophis approximans	North-western Shovel-nosed Snake	LC			X							X
Brachyurophis fasciolata	Narrow-banded Shovel-nosed Snake	LC					X			X		
Brachyurophis semifasciata	Southern Shovel-nosed Snake	LC					X			X		
Demansia psammophis	Yellow-faced Whipsnake	LC		X			X			X		
Furina ornata	Moon Snake	LC		X							X	
Neelaps bimaculatus	Black-naped Snake	LC								X		
Parasuta monachus	Monk Snake	LC		X			X		X	X		
Pseudechis australis	Mulga Snake	LC		X	X					X	X	
Pseudechis butleri	Spotted Mulga Snake	LC										

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Pseudonaja modesta	Ringed Brown Snake	LC		X	X			X		X		X
Pseudonaja nuchalis	Gwardar	LC		X						X		
Simoselaps anomalus	Desert Banded Snake	LC		X	X							
Simoselaps bertholdi	Jan's Banded Snake	LC		X			X			X	X	
Suta fasciata	Rosen's Snake	LC							X			

Aves

Casuariidae
Emus, Cassowarries

Dromaius novaehollandiae	Emu	LC	X	X	X	X	X	X	X	X	X	

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Accipitridae Kites, Goshawks, Eagles, Harriers												
Accipiter cirrocephalus	Collared Sparrowhawk	LC		X						X		
Accipiter fasciatus	Brown Goshawk	LC			X							
Aquila audax	Wedge-tailed Eagle	LC	X	X	X	X	X	X	X	X	X	
Aquila morphnoides	Little Eagle	LC					X			X	X	
Circus assimilis	Spotted Harrier	LC									X	
Elanus caeruleus	Black-shouldered Kite	LC						X				
Haliastur sphenurus	Whistling Kite	LC			X							
Hamirostra melanosternon	Black-breasted Buzzard	LC										

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Falconidae Falcons												
Falco berigora	Brown Falcon	LC	X	X	X	X	X	X	X	X	X	
Falco cenchroides	Australian Kestrel	LC	X	X	X	X	X	X	X	X	X	
Falco hypoleucos	Grey Falcon	VU										
Falco longipennis	Australian Hobby	LC			X	X	X	X		X	X	
Falco peregrinus	Peregrine Falcon	OS								X		
Otididae Bustards												
Ardeotis australis	Australian Bustard	LC	X	X		X	X	X		X	X	
Turnicidae Button-quails												
Turnix velox	Little Button-quail	LC		X				X		X		

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Charadriidae Lapwings, Plovers, Dotterels												
Vanellus tricolor	Banded Lapwing	LC		X				X		X	X	
Columbidae Pigeons, Doves												
Geopelia cuneata	Diamond Dove	LC						X		X	X	X
Ocyphaps lophotes	Crested Pigeon	LC	X	X	X	X	X	X	X	X	X	
Phaps chalcoptera	Common Bronzewing	LC		X	X	X	X	X	X	X	X	

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Psittacidae Parrots												
Cacatua roseicapilla	Galah	LC	X	X	X		X	X		X	X	
Melopsittacus undulatus	Budgerigar	LC		X			X	X		X	X	
Neophema bourkii	Bourke's Parrot	LC	X	X	X			X			X	X
Nymphicus hollandicus	Cockatiel	LC			X		X	X		X	X	
Pezoporus occidentalis	Night Parrot	CR										
Platycercus varius	Mulga Parrot	LC	X	X	X	X	X	X	X	X	X	
Platycercus zonarius	Australian Ringneck	LC	X	X	X	X	X	X	X	X	X	
Polytelis alexandrae	Princess Parrot	P4 VU										

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Cuculidae Parasitic Cuckoos												
Chrysococcyx basalis	Horsfield's Bronze Cuckoo	LC		X			X			X	X	
Chrysococcyx osculans	Black-eared Cuckoo	LC		X			X			X		
Cuculus pallidus	Pallid Cuckoo	LC		X		X	X		X	X	X	
Strigidae Hawk Owls												
Ninox novaeseelandiae	Boobook Owl	LC			X		X	X				
Tytonidae Barn Owls												
Tyto alba	Barn Owl	LC										
Podargidae Frogmouths												
Podargus strigoides	Tawny Frogmouth	LC					X	X		X	X	
Caprimulgidae Nightjars												
Eurostopodus argus	Spotted Nightjar	LC		X	X	X	X	X		X		

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Aegothelidae Owlet-nightjars												
Aegotheles cristatus	Australian Owlet-nightjar	LC		X	X		X	X		X	X	
Halcyonidae Tree Kingfishers												
Todiramphus pyrrhopygia	Red-backed Kingfisher	LC		X	X	X	X	X	X	X	X	
Meropidae Bee-eaters												
Merops ornatus	Rainbow Bee-eater	JA LC					X			X		
Climacteridae Treecreepers												
Climacteris affinis	White-browed Treecreeper	LC								X	X	

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Maluridae Fairy Wrens, GrassWrens												
Amytornis oweni oweni	Sandhill Grasswren	P4					X					
Malurus lamberti	Variegated Fairy-wren	LC	X	X	X	X		X			X	
Malurus leucopterus	White-winged Fairy-wren	LC	X	X			X		X		X	X
Malurus splendens	Splendid Fairy-wren	LC	X	X	X		X		X	X		X
Stipiturus ruficeps	Rufous-crowned Emu-wren	LC										

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Acanthizidae Thornbills, Geryones, Fieldwrens & Whitefaces												
Acanthiza apicalis	Broad-tailed Thornbill	LC	X	X	X	X	X	X	X	X	X	X
Acanthiza chrysorrhoa	Yellow-rumped Thornbill	LC	X	X			X	X	X	X	X	
Acanthiza iredalei iredalei	Slender-billed Thornbill (western)	LC										
Acanthiza robustirostris	Slaty-backed Thornbill	LC	X	X	X	X	X	X	X	X		X
Acanthiza uropygialis	Chestnut-rumped Thornbill	LC	X	X		X	X	X		X	X	X
Aphelocephala leucopsis	Southern Whiteface	VU	X	X		X	X	X	X	X	X	X
Calamanthus campestris	Rufous Fieldwren	LC		X								
Gerygone fusca	Western Gerygone	LC		X								
Pyrrholaemus brunneus	Redthroat	LC	X	X	X	X	X	X		X		X
Smicrornis brevirostris	Weebill	LC	X	X	X	X	X	X		X	X	

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Pardalotidae Pardalotes												
Pardalotus rubricatus	Red-browed Pardalote	LC		X	X	X		X				X
Pardalotus striatus	Striated Pardalote	LC		X		X	X		X	X	X	X

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Meliphagidae Honeyeaters, Chats												
Acanthagenys rufogularis	Spiny-cheeked Honeyeater	LC	X	X	X	X	X	X	X	X	X	X
Anthochaera carunculata	Red Wattlebird	LC				X	X			X		
Certhionyx niger	Black Honeyeater	LC									X	
Certhionyx variegatus	Pied Honeyeater	LC		X					X		X	
Epthianura aurifrons	Orange Chat	LC		X						X		
Epthianura tricolor	Crimson Chat	LC		X		X	X	X	X	X	X	X
Gavicalis virescens	Singing Honeyeater	LC	X	X	X	X	X	X	X	X	X	X
Lichenostomus plumulus	Grey-fronted Honeyeater	LC	X	X	X	X	X			X	X	X
Lichmera indistincta	Brown Honeyeater	LC					X			X	X	
Manorina flavigula	Yellow-throated Miner	LC	X	X	X	X	X	X	X	X	X	X

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Phylidonyris albifrons	White-fronted Honeyeater	LC		X		X	X			X	X	
Petroicidae Australian Robins												
Melanodryas cucullata	Hooded Robin	LC		X	X	X	X	X	X	X	X	X
Microeca fascinans	Jacky Winter	LC	X	X	X		X			X	X	
Petroica goodenovii	Red-capped Robin	LC	X	X	X	X	X	X	X	X	X	X
Pomatostomidae Babblers												
Pomatostomus superciliosus	White-browed Babbler	LC	X	X	X	X	X	X	X	X	X	X
Cinclosomatidae Whipbirds, Wedgebills, Quail Thrushes												
Cinclosoma clarum	Copperback quail-thrush	LC										X
Cinclosoma marginatum	Western Quail-thrush	LC		X	X	X		X				X
Psophodes occidentalis	Chiming Wedgebill	LC										

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Neosittidae Sitellas												
Daphoenositta chrysoptera	Varied Sittella	LC		X	X		X			X		
Pachycephalidae Crested Shrike-tit, Crested Bellbird, Shrike Thrushes, Whistlers												
Colluricincla harmonica	Grey Shrike-thrush	LC	X	X	X	X	X	X	X	X	X	X
Oreoica gutturalis	Crested Bellbird	LC	X	X	X	X	X	X	X	X	X	X
Pachycephala rufiventris	Rufous Whistler	LC	X	X	X	X	X	X	X	X	X	
Dicruridae Monarchs, Magpie Lark, Flycatchers, Fantails, Drongo												
Grallina cyanoleuca	Magpie-lark	LC		X	X	X	X	X	X	X	X	
Rhipidura fuliginosa	Grey Fantail	LC										
Rhipidura leucophrys	Willie Wagtail	LC	X	X	X	X	X	X	X	X	X	

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Campephagidae Cuckoo-shrikes, Trillers												
Coracina maxima	Ground Cuckoo-shrike	LC		X	X			X	X	X	X	
Coracina novaehollandiae	Black-faced Cuckoo-shrike	LC	X	X	X	X	X		X	X	X	X
Lalage tricolor	White-winged Triller	LC		X			X	X	X		X	
Artamidae Woodswallows, Butcherbirds, Currawongs												
Artamus cinereus	Black-faced Woodswallow	LC		X	X	X	X		X	X	X	X
Artamus minor	Little Woodswallow	LC			X		X		X			X
Artamus personatus	Masked Woodswallow	LC		X	X		X	X	X	X	X	

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Cracticidae Currawongs, Magpies & Butcherbirds												
Cracticus nigrogularis	Pied Butcherbird	LC	X	X	X	X	X	X	X	X	X	
Cracticus tibicen	Australian Magpie	LC	X	X	X	X	X	X	X	X	X	
Cracticus torquatus	Grey Butcherbird	LC	X	X		X	X	X	X	X	X	X
Strepera versicolor	Grey Currawong	LC				X	X	X		X	X	
Corvidae Ravens, Crows												
Corvus bennetti	Little Crow	LC	X	X	X	X	X	X	X	X	X	
Corvus orru	Torresian Crow	LC	X	X	X	X	X	X	X			
Ptilonorhynchidae Bowerbirds												
Ptilonorhynchus maculatus	Western Bowerbird	LC	X	X	X		X		X			

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Motacillidae Old World Pipits, Wagtails												
Anthus australis	Australian Pipit	LC	X	X		X	X	X	X	X	X	X
Estrilidae Grass Finches & Mannikins												
Taeniopygia guttata	Zebra Finch	LC		X	X	X	X	X	X	X	X	X
Dicaeidae Flowerpeckers												
Dicaeum hirundinaceum	Mistletoebird	LC		X			X		X	X	X	
Hirundinidae Swallows, Martins												
Cheramoeca leucosternus	White-backed Swallow	LC		X		X	X		X	X	X	X
Hirundo ariel	Fairy Martin	LC			X		X					
Hirundo neoxena	Welcome Swallow	LC	X				X		X			
Hirundo nigricans	Tree Martin	LC			X		X		X	X	X	

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Sylviidae Old World Warblers												
Cincloramphus cruralis	Brown Songlark	LC		X		X	X	X			X	
Cincloramphus mathewsi	Rufous Songlark	LC		X	X						X	
Mammalia												
Tachyglossidae Echidnas												
Tachyglossus aculeatus	Echidna	LC	X	X	X		X			X	X	

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Dasyuridae Carnivorous Marsupials												
Antechinomys laniger	Kultarr	LC							X			
Dasycercus blythi	Brush-tailed Mulgara	P4					X					
Ningaui ridei	Wongai Ningaui	LC		X	X						X	X
Ningaui yvonneae	Southern Ningaui	LC					X			X		X
Pseudantechinus macdonnellensis	Fat-tailed Pseudantechinus	LC										
Sminthopsis crassicaudata	Fat-tailed Dunnart	LC								X	X	X
Sminthopsis dolichura	Little long-tailed Dunnart	LC		X			X	X	X	X		
Sminthopsis hirtipes	Hairy-footed Dunnart	LC			X		X		X	X	X	
Sminthopsis macroura	Stripe-faced Dunnart	LC						X	X		X	X
Sminthopsis ooldea	Ooldea Dunnart	LC		X			X			X	X	X

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Sminthopsis youngsoni	Lesser Hairy-footed Dunnart	LC		X								X
Macropodidae Kangaroos, Wallabies												
Macropus fuliginosus	Western Grey Kangaroo	LC	X		X	X	X			X		
Macropus rufus	Red Kangaroo	LC	X	X	X		X	X		X	X	
Osphranter robustus	Euro	LC	X	X	X	X	X		X	X	X	X
Emballonuridae Sheath-tailed Bats												
Saccolaimus flaviventris	Yellow-bellied Sheathtail-bat	LC		X								
Taphozous hilli	Hill's Sheathtail-bat	LC								X		X

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Molossidae Freetail Bats												
Austronomus australis	White-striped Freetail-bat	LC	X	X		X	X	X		X	X	X
Chaerephon jobensis	Northern Freetail-bat	LC		X								
Ozimops petersi	Inland Freetail-bat	LC	X	X			X	X	X	X	X	
Vespertilionidae Ordinary Bats												
Chalinolobus gouldii	Gould's Wattled Bat	LC	X	X	X		X	X	X	X	X	
Nyctophilus geoffroyi	Lesser Long-eared Bat	LC	X	X	X		X			X	X	X
Scotorepens balstoni	Inland Broad-nosed Bat	LC	X	X	X			X	X	X	X	
Vespadelus baverstocki	Inland Forest Bat	LC	X									
Vespadelus finlaysoni	Finlayson's Cave Bat	LC	X	X	X			X	X	X		X

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Muridae Rats, Mice												
Mus musculus	House Mouse	Introduced		X	X		X	X	X	X	X	X
Notomys alexis	Spinifex Hopping-mouse	LC		X	X		X	X	X	X	X	X
Pseudomys bolami	Bolam's Mouse	LC		X								
Pseudomys desertor	Desert Mouse	LC					X	X		X		
Pseudomys hermannsburgensis	Sandy Inland Mouse	LC		X	X		X	X	X	X	X	X
Canidae Dogs, Foxes												
Canis lupus	Dingo/Dog	LC/Introduced	X	X	X		X			X		X
Vulpes vulpes	Red Fox	Introduced	X			X	X			X	X	
Felidae Cats												
Felis catus	Cat	Introduced	X	X	X	X	X	X	X	X	X	

BC Act Status - S1 to S7, EPBC Act Status - CR - Critically Endangered, EN = Endangered, VU = Vulnerable, EX = Extinct, Mig = Migratory, DBCA Priority Status - P1 to P4, Int. Agmts - CA = CAMBA, JA = JAMBA, RK = ROKAMBA, IUCN Red List Category Definitions - LC =Least Concern, see https://www.iucnredlist.org/resources/categories-and-criteriafor others

Class **Family** *Species*	Common Name	Conservation Status	Botanica 2020	Harewood 2017	Rapallo 2015	Harewood 2014	KEC 2014	KLA 2012	TE 2011	ecologia 2009	WAM 1994	DBCA 2025
Equidae Horses												
Equus asinus	Donkey	Introduced		X								
Equus caballus	Horse	Introduced		X			X					
Bovidae Horned Ruminants												
Bos taurus	European Cattle	Introduced	X	X	X		X	X				
Camelidae Camels												
Camelus dromedarius	Camel	Introduced	X	X	X	X	X			X	X	
Leporidae Rabbits, Hares												
Oryctolagus cuniculus	Rabbit	Introduced	X	X	X	X	X	X	X	X	X	

BC Act Status - S1 to S7, EPBC Act Status - CR - Critically Endangered, EN = Endangered, VU = Vulnerable, EX = Extinct, Mig = Migratory, DBCA Priority Status - P1 to P4, Int. Agmts - CA = CAMBA, JA = JAMBA, RK = ROKAMBA, IUCN Red List Category Definitions - LC =Least Concern, see https://www.iucnredlist.org/resources/categories-and-criteriafor others

APPENDIX J:
EPBC PROTECTED MATTERS REPORT

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 06-Jan-2026

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

Caveat
Acknowledgements

Summary

Matters of National Environment Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	9
Listed Migratory Species:	7

Other Matters Protected by the EPBC Act

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

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

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

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	9
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

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

State and Territory Reserves:	1
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	1
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Listed Threatened Species [Resource Information]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.
Number is the current name ID.

Scientific Name	Threatened Category	Presence Text
BIRD		
Aphelocephala leucopsis Southern Whiteface [529]	Vulnerable	Species or species habitat known to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat known to occur within area
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area
Pezoporus occidentalis Night Parrot [59350]	Critically Endangered	Species or species habitat may occur within area
Polytelis alexandrae Princess Parrot, Alexandra's Parrot [758]	Vulnerable	Species or species habitat likely to occur within area
MAMMAL		
Macrotis lagotis Greater Bilby [282]	Vulnerable	Species or species habitat known to occur within area
Sminthopsis psammophila Sandhill Dunnart [291]	Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
REPTILE		
Liopholis kintorei		
Great Desert Skink, Tjakura, Warrarna, Mulyamiji, Tjalapa, Nampu [83160]	Vulnerable	Species or species habitat likely to occur within area

Listed Migratory Species [Resource Information]

Scientific Name	Threatened Category	Presence Text
Migratory Marine Birds		
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Motacilla cinerea		
Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava		
Yellow Wagtail [644]		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]	Vulnerable	Species or species habitat may occur within area
Calidris melanotos		
Pectoral Sandpiper [858]		Species or species habitat may occur within area
Charadrius veredus		
Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species		[Resource Information]
Scientific Name	Threatened Category	Presence Text
Bird		
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 overfly marine area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area
Chalcites osculans as Chrysococcyx osculans Black-eared Cuckoo [83425]		Species or species habitat known to occur within area overfly marine area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area overfly marine area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area

Scientific Name	Threatened Category	Presence Text
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area overfly marine area

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	
Yeo Lake	Nature Reserve	WA	

EPBC Act Referrals			[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data is available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance on the contents of this report.

3 DATA SOURCES

Threatened ecological communities

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

Threatened, migratory and marine species

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

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions when time permits.

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

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

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded breeding sites; and
- seals which have only been mapped for breeding sites near the Australian continent

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

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

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

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

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

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

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APPENDIX K:
VEGETATION TYPE MAPPING

APPENDIX L:
VEGETATION CONDITION MAPPING

APPENDIX M:
FAUNA HABITAT MAPPING

APPENDIX N:
SERINGIA EXASTIA POPULATION COORDINATES

Taxon Name	Easting	Northing	Abundance
Seringia exastia	721731.3	7008120.2	1100
Seringia exastia	721723.2	7008120.1	100
Seringia exastia	721729.6	7008104.6	100
Seringia exastia	747509.0	7019097.2	12
Seringia exastia	747331.0	7019000.7	12
Seringia exastia	747296.3	7018982.1	12
Seringia exastia	747253.4	7018959.2	12
Seringia exastia	747206.3	7018932.1	12
Seringia exastia	741508.6	7016325.0	50
Seringia exastia	741415.5	7016262.2	300
Seringia exastia	741373.7	7016234.3	100
Seringia exastia	741334.2	7016208.3	100
Seringia exastia	741199.9	7016117.3	100
Seringia exastia	741087.1	7016040.8	100
Seringia exastia	741014.8	7015991.2	100
Seringia exastia	740864.9	7015889.6	100
Seringia exastia	740695.2	7015775.1	100
Seringia exastia	740638.3	7015736.1	100
Seringia exastia	740572.7	7015692.1	100
Seringia exastia	732002.2	7011348.1	100
Seringia exastia	732045.7	7011348.4	100
Seringia exastia	721683.0	7008298.4	1200
Seringia exastia	724106.0	7016570.0	100
Seringia exastia	735626.0	7013299.0	120
Seringia exastia	722326.0	7008534.0	60
Seringia exastia	719969.9	7006886.4	1000
Seringia exastia	720068.6	7006909.3	2000
Seringia exastia	720090.2	7006873.8	1000
Seringia exastia	720125.5	7006789.6	2000
Seringia exastia	720132.9	7006636.5	2000
Seringia exastia	720117.5	7006619.0	1000
Seringia exastia	720074.1	7006609.7	2000
Seringia exastia	716605.6	7005458.8	50
Seringia exastia	714244.4	7005901.2	500
Seringia exastia	714126.0	7005974.7	600
Seringia exastia	713727.2	7005835.9	30
Seringia exastia	714662.5	7006052.7	1000
Seringia exastia	714579.0	7006076.0	2000
Seringia exastia	714566.1	7006075.9	1000

Seringia exastia	714363.9	7006075.0	2000
Seringia exastia	714159.9	7006076.0	2000
Seringia exastia	713767.3	7005851.5	1000
Seringia exastia	713715.4	7005855.8	2000
Seringia exastia	713255.5	7005913.3	300
Seringia exastia	713009.8	7005925.8	250
Seringia exastia	709824.0	7006318.8	300
Seringia exastia	698916.8	7008987.7	12
Seringia exastia	709820.0	7006306.0	12
Seringia exastia	600916.4	6928876.5	60
Seringia exastia	624914.7	6942042.5	12
Seringia exastia	607058.8	6933062.6	140
Seringia exastia	698298.9	7009005.2	250
Seringia exastia	692052.4	7008499.6	250
Seringia exastia	668898.9	6999238.2	300
Seringia exastia	698302.0	7008973.0	30
Seringia exastia	681730.0	7007016.0	30
Seringia exastia	671329.0	700930.0	36
Seringia exastia	662329.0	6996308.0	36