

**BASELINE FLORA AND VEGETATION
ASSESSMENT**

Woodie Continued Operations Project

FINAL

December 2021

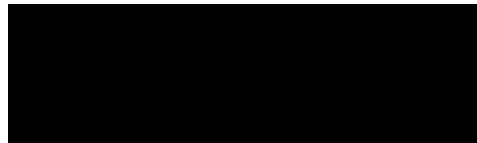


BASELINE FLORA AND VEGETATION ASSESSMENT

Woodie Continued Operations Project

FINAL

Prepared by
Umwelt (Australia) Pty Limited
on behalf of
Consolidated Minerals Pty Ltd



QMS Certification Services

This report was prepared using
Umwelt's ISO 9001 certified
Quality Management System.

Acknowledgement of Country

Umwelt would like to acknowledge the traditional custodians of the country on which we work and pay respect to their cultural heritage, beliefs, and continuing relationship with the land. We pay our respect to the Elders – past, present, and future.

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Definitions

| Term | Definition |
|------------------------|---|
| AVH | Australasian Virtual Herbarium |
| BAM Act | <i>Biosecurity and Agriculture Management Act 2007</i> |
| BC Act | <i>Biodiversity Conservation Act 2016</i> |
| BC Regs | Biodiversity Conservation Regulations 2018 |
| cm | Centimetres |
| ConsMin | Consolidated Minerals Pty Ltd |
| DAWE | Department of Agriculture, Water and the Environment |
| DBCA | Department of Biodiversity, Conservation and Attractions |
| EIA | Environmental Impact Assessment |
| EPA | Environmental Protection Authority |
| EPBC Act | <i>Environment Protection Biodiversity Conservation Act 1999</i> |
| EP Act | <i>Environmental Protection Act 1986</i> |
| GIS | Geographic Information System |
| GDA94 | Geocentric Datum of Australia |
| GDE | Groundwater Dependent Ecosystem |
| GPS | Global Positioning System |
| ha | Hectares |
| INDVAL | Indicator Taxon Analysis, a measure of taxon fidelity to a given VT |
| km | Kilometres |
| IBRA | Interim Biogeographic Regionalisation for Australia |
| IUCN | International Union for Conservation of Nature |
| listed | Pertaining to listed taxa or vegetation - those that are formally listed as conservation significant under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> , or the <i>Biodiversity Conservation Act 2016</i> . Refer to Appendix C and Appendix E |
| m | Metres |
| m ² | Metres squared |
| mm | Millimetres |
| MNES | Matters of National Environmental Significance |
| NT | Northern Territory |
| NVIS | National Vegetation Information System |
| P | Priority |
| PEC | Priority Ecological Community |
| Population | A discrete group of individuals of a taxon separated by more than 500 m from the nearest discrete group of individuals (as per DBCA (2017)) |
| Regional survey sites | Areas selected for Targeted survey outside the Study Area that were considered likely to contain habitat for the target significant flora taxa. Labelled 1-4 for <i>Lepidium amelum</i> (P1) and A-C for <i>Corchorus aff. incanus</i> (potentially undescribed) |
| Significant flora | As defined in Section 3.9.1 |
| Significant vegetation | As defined in Section 3.9.2 |

| Term | Definition |
|--------------------------|--|
| SPRAT | Species Profile and Threats database – a database produced by DAWE to enable identification of MNES listed under the EPBC Act within a given area |
| T | Threatened |
| TEC | Threatened Ecological Community |
| The Desktop Study Area | Area encompassing the Study Area with a 40 km buffer. Used for the purposes of elements of the desktop assessment, including interrogation of databases and searches for relevant literature |
| The Development Envelope | Proposed development envelope, approximately 12,708 ha in size |
| The Footprint | Proposed indicative footprint, approximately 2,327 ha in size. The area of focus for targeted survey for significant flora and vegetation |
| The Project | Woodie Continued Operations Project |
| The Study Area | Area within which the 2020 and 2021 flora and vegetation survey was conducted, approximately 24,868 ha in size. Contains the Development Envelope and the Footprint |
| TPFL | Threatened and Priority Flora Database |
| UCL | Unallocated Crown Land |
| Umwelt | Umwelt (Australia) Pty Ltd |
| VSA | Vegetation System Association |
| VT | Vegetation Type |
| WA | Western Australia |
| WA Herb | Western Australian Herbarium |
| WoNS | Weeds of National Significance |
| Woodman Environmental | Woodman Environmental Consulting Pty Ltd (now Umwelt (Australia) Pty Ltd) |

Executive Summary

Consolidated Minerals Pty Ltd (ConsMin) operates the Woodie Woodie manganese mine, located approximately 150 kilometres (km) northeast of Nullagine in the Pilbara Region and within the Shire of East Pilbara, Western Australia (WA). ConsMin is proposing to further develop Woodie, known as the Woodie Continued Operations Project ('the Project'), and have referred to both the WA Environmental Protection Authority (EPA) under the *Environmental Protection Act 1986* (EP Act) and to the Commonwealth under the *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act).

ConsMin commissioned Woodman Environmental Consulting Pty Ltd (Woodman Environmental) (now Umwelt (Australia) Pty Ltd (Umwelt)) in 2020 to conduct a single-season detailed flora and vegetation survey within previously unmapped areas of the proposed development envelope (the Development Envelope) to inform the Environmental Impact Assessment (EIA) process. In 2021, ConsMin commissioned Woodman Environmental to undertake additional flora and vegetation surveys within areas previously subject to vegetation assessment (i.e. excluding those areas assessed by Woodman Environmental in 2020) to identify the key flora and vegetation values associated with the Project. The combined 2020 and 2021 survey areas are referred to as the 'Study Area'; this encompasses the proposed indicative footprint ('the Footprint') and the existing approved footprint within the Development Envelope, as well as a wider area around the Development Envelope for contextual purposes.

Field surveys involved multiple aspects including sampling via quadrats and relevés within the Study Area, and systematic targeted significant flora searching in the Footprint, and were undertaken over multiple visits in 2020 and 2021 as listed below:

- 8th – 15th June 2020 (flora and vegetation quadrat assessment)
- 25th June – 2nd July 2020 (flora and vegetation quadrat assessment)
- 18th – 26th March 2021 (flora and vegetation quadrat assessment)
- 9th – 16th April 2021 (flora and vegetation quadrat assessment and targeted significant flora searching)
- 6th – 14th May 2021 (flora and vegetation quadrat assessment and targeted significant flora searching)
- 20th – 28th May 2021 (flora and vegetation quadrat assessment and targeted significant flora searching)
- 17th – 25th June 2021 (targeted significant flora searching).

A total of 504 non-permanent flora survey quadrats (47 within the Footprint, one within the existing approved footprint, 248 within the wider Development Envelope and 208 within the wider Study Area) sampling an area of 2,500 m² were surveyed in the Study Area, with 18 relevés (seven within the Footprint, six within the wider Development Envelope and five within the wider Study Area) surveyed in areas where limited extent or condition of vegetation precluded quadrat establishment. Notes on vegetation pattern boundaries and distribution were also taken while traversing the Study Area, as well as locations of significant, opportunistic and introduced flora taxa encountered while traversing between quadrats and relevés, and while conducting targeted searching.

A total of 448 discrete vascular flora taxa, five known hybrids (as per WA Herbarium (1998-)) and two putative hybrids were recorded in the Study Area by the 2020 and 2021 surveys, representing 59 families and 178 genera. Eighteen of the total taxa recorded are introduced taxa. Eleven significant flora taxa were recorded in the Study Area by the 2020 and 2021 surveys (including six Department of Biodiversity, Conservation and Attractions (DBCA) listed significant flora taxa that were recorded at Woodie Woodie for the first time by the 2020 and 2021 surveys). The significant flora taxa comprise nine DBCA-listed Priority flora taxa and two taxa considered significant under the 'new species or species with anomalous features that indicate a potential new species' reason from EPA (2016a, 2016b). These significant taxa were:

- *Corchorus* aff. *incanus* (potentially undescribed)
- *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)
- *Euphorbia clementii* (P3)
- *Euphorbia inappendiculata* var. *inappendiculata* (P2)
- *Goodenia pedicellata* (P1)
- *Heliotropium* aff. *argyreum* (potentially undescribed)
- *Kohautia australiensis* (P2)
- *Lepidium amelum* (P1)
- *Ptilotus mollis* (P4)
- *Stylidium weeliwolli* (P3)
- *Tribulus minutus* (P1).

Seventeen Vegetation Types (VTs) were defined and mapped based on the results of floristic classification analysis and subsequent examination of data collected from quadrats in the Study Area by the 2020 and 2021 surveys. The 17 VTs defined represent four broad groups of vegetation, based on soils and topography:

- Group 1: Occasional shrublands over hummock grasslands on clay loams on steep to moderate crests and slopes to stony outwash plains influenced by dolomite, dolerite, chert, metamorphic granite or calcrete (VTs HG1, HG2, HG10, HG11, HG12)
- Group 2: Low woodlands and shrublands over hummock and occasionally tussock grasslands on low, undulating to flat plains and minor drainage lines on sandy to clay loams with dolerite, dolomite, metamorphic, ironstone, calcrete or quartz stones (VTs HG3, HG4, HG5, HG6, HG7, HG8, S1, S2, TG1 and W1)
- Group 3: Mid to low woodlands and shrublands over hummock and tussock grassland on sandy to clay loams in major drainage lines (VT W2)
- Group 4: Hummock grasslands on clay loam stony plains with slight saline influence (HG9).

No listed significant vegetation is known to occur in or within the vicinity of the Study Area. None of the VTs mapped within the Study Area are considered to represent any formally listed Threatened Ecological Communities (TECs) or Priority Ecological Communities (PECs), nor are they considered to be significant for reasons other than formal listing. Although VTs HG6, HG9, S2 and W1 are locally restricted, each being mapped over less than 1 % of the total area of the Study Area, all VTs mapped in the Study Area are either known to, or are considered likely to, extend outside the Study Area to some extent.

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1.0 Introduction

1.1 Project Overview

Consolidated Minerals Pty Ltd (ConsMin) operates the Woodie Woodie manganese mine, located approximately 150 kilometres (km) northeast of Nullagine in the Pilbara Region and within the Shire of East Pilbara, Western Australia (WA) (**Figure 1.1**). ConsMin is proposing to further develop Woodie, known as the Woodie Continued Operations Project ('the Project'), and have referred to both the WA Environmental Protection Authority (EPA) under the *Environmental Protection Act 1986* (EP Act) and to the Commonwealth under the *Environment Protection Biodiversity Conservation Act 1999* (EPBC Act). The Project has been determined as 'Assessed on Referral Information' and 'Additional Information Requested' (EPA) and a 'Controlled Action' (Department of Agriculture, Water and the Environment, DAWE).

All previous flora and vegetation assessments to support mining approvals are now considered out of date and unlikely to be sufficient to support assessment under current EPA Guidance and Policy. Furthermore, previous flora and vegetation assessments have been conducted utilising a variety of survey methods and naming conventions. Consequently, ConsMin are updating flora and vegetation information across the Woodie Woodie operations.

For the purpose of updating flora and vegetation information relevant to the Project to the current regulatory standard, ConsMin commissioned Woodman Environmental Consulting Pty Ltd (Woodman Environmental) (now Umwelt (Australia) Pty Ltd (Umwelt)) in 2020 to conduct a single-season detailed flora and vegetation survey within previously unsurveyed areas. In 2021, ConsMin commissioned Woodman Environmental to undertake additional flora and vegetation surveys (including detailed and targeted surveys) within additional unsurveyed areas, as well as areas subject to vegetation assessment prior to 2020 (i.e. excluding those areas assessed by Woodman Environmental in 2020).

This current report includes all methods and findings from the above-mentioned surveys conducted in 2020 and 2021, and presents floristic analysis, quadrat data and vegetation mapping results. It should be noted that Woodman Environmental/Umwelt have prepared memo reports on the methods and interim results of the 2020 and 2021 flora and vegetation surveys conducted for the Project (Umwelt 2021a, 2021b; Woodman Environmental 2021); therefore, these memos are no longer considered current.

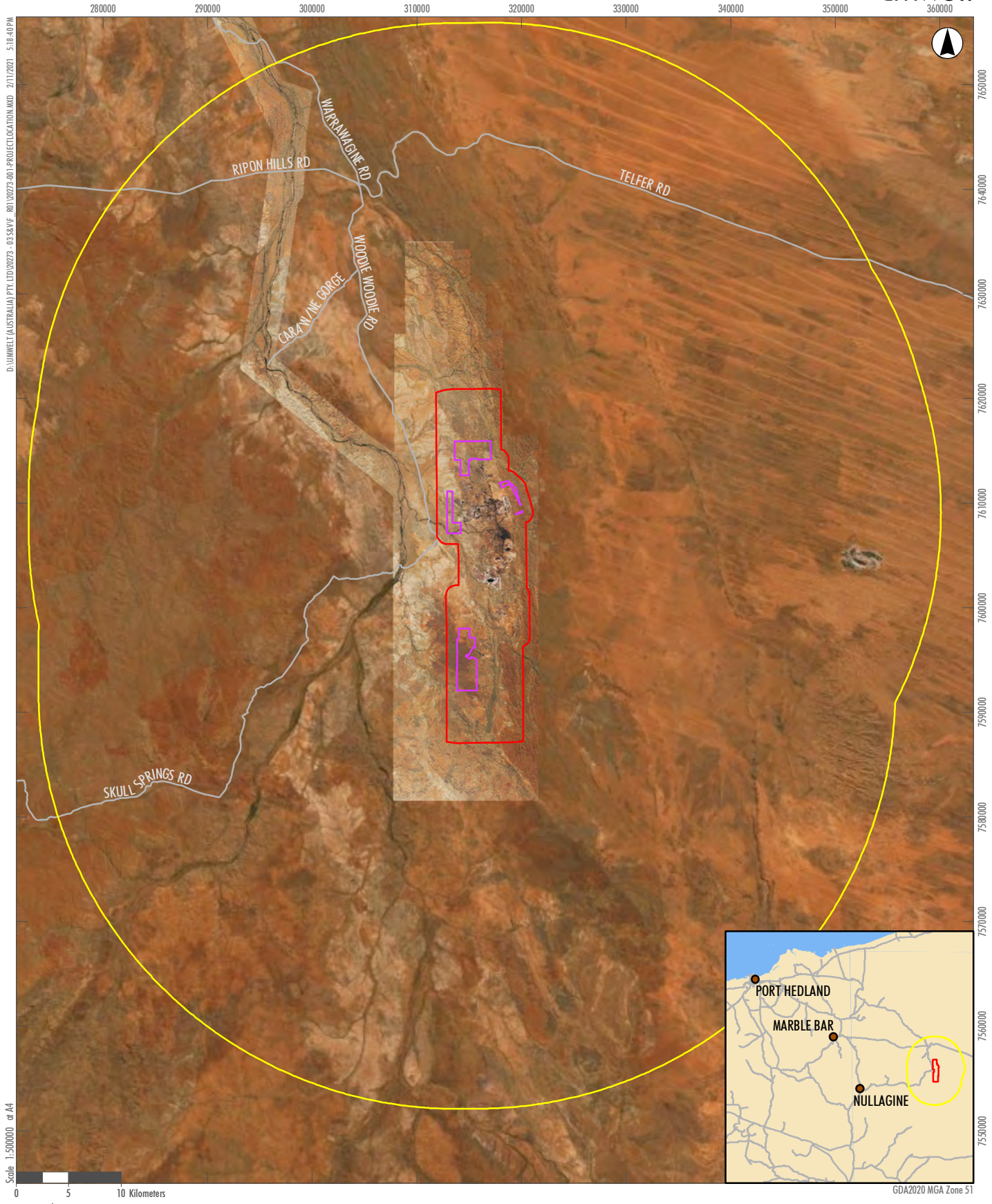
1.2 Project Area Definitions

For the purposes of the flora and vegetation survey, ConsMin defined a Study Area, as shown on **Figure 1.1**. The Study Area is approximately 24,868 hectares (ha) in size and includes the proposed development envelope (the Development Envelope, approximately 12,708 ha in size) as well as a wider area around the Development Envelope for contextual purposes. The 2020 survey was conducted over part of the Project Development Envelope; this area is presented on **Figure 1.1**. The 2021 survey was conducted over the remainder of the Study Area.

For the purposes of elements of the desktop assessment, including interrogation of databases and searches for relevant literature, a Desktop Study Area has been defined. The Desktop Study Area was defined prior to the 2020 survey and encompasses the 2020 survey area with a 40 km buffer (**Figure 1.1**). This Desktop Study Area was retained for the purposes of the 2021 survey.

ConsMin provided a proposed indicative footprint (the Footprint); in the context of the flora and vegetation assessment, the Footprint was the area of focus for systematic targeted survey for significant flora and vegetation. The Footprint is approximately 2,327 ha in size, as presented on **Figure 1.2**. Note the existing approved Woodie Woodie footprint is also shown on this figure for contextual purposes.

Not all areas of the Study Area were able to be accessed during field studies. This is discussed further in **Section 4.2**.



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- Legend**
- Desktop Study Area
 - Survey Area 2020
 - Study Area
 - Roads
 - Townsites

FIGURE 1.1
Project Location



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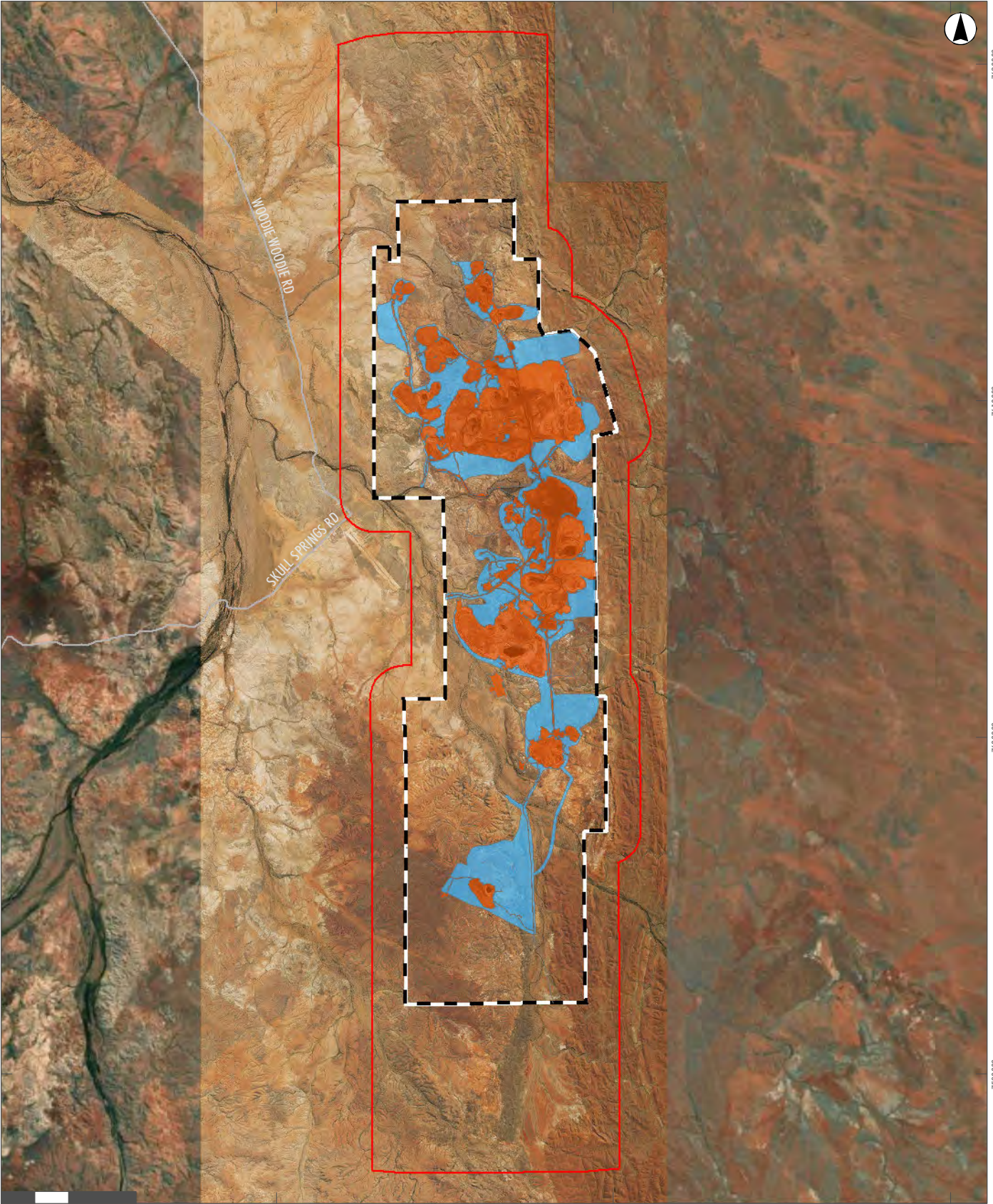
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Scale 1:160000 at A4



GDA2020 MGA Zone 51

Legend

- Study Area
- Development Envelope
- Existing Approved Project Footprint
- Proposed Indicative Footprint
- Roads

FIGURE 1.2

Study Area Location

1.3 Aims and Objectives

The primary aim of this assessment was to characterise the flora and vegetation values of the Study Area to the current regulatory standard.

The overall objectives of the assessment were to:

- Compile an inventory of vascular flora taxa that occur in the Study Area
- Search for and census populations of the following taxa (hereafter referred to as significant flora taxa) identified as occurring or potentially occurring within the Footprint, as well as opportunistically within the wider Development Envelope and the general local area (including the Study Area):
 - Listed Threatened Species (T) under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) (Commonwealth)
 - Threatened Flora (T) under the *Biodiversity Conservation Act 2016* (BC Act) (WA)
 - Priority Flora taxa (P) as classified by the WA Department of Biodiversity, Conservation and Attractions (DBCA)
 - Other significant flora taxa as defined by the Environmental Protection Authority (EPA) (2016a, 2016b)
- Identify locations and determine the extent of introduced vascular flora taxa, with particular focus on those that are Weeds of National Significance (WoNS), or Declared Pests under the *Biosecurity and Agriculture Management Act 2007* (BAM Act)
- Identify, map and describe Vegetation Types (VTs) that occur within the Study Area
- Identify, map and describe vegetation that occurs within the Study Area that is one of the following (hereafter referred to as significant vegetation), to provide context for impact assessment:
 - Listed Threatened Ecological Communities (TECs) under the EPBC Act
 - TECs as classified by DBCA and endorsed by the WA Minister for the Environment
 - Priority Ecological Communities (PECs) as classified by DBCA
 - Other significant vegetation as defined by EPA (2016a, 2016b)
- Map the condition of the vegetation in accordance with EPA (2016b).

The survey and reporting works comply with the following documents:

- *Environmental Factor Guideline – Flora and Vegetation* (EPA 2016a)
- *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA 2016b).

1.4 Level of Assessment

The flora and vegetation survey of the Study Area involved Targeted Surveys and a Detailed Survey as defined in Sections 4.2 and 4.3 of the 'Technical Guidance for Flora and Vegetation Surveys for Environmental Impact Assessment' (EPA 2016b). This is considered appropriate for the Project, which is located in an area (the Pilbara) that is known to support a moderate diversity of flora and vegetation relative to other areas of the state, including significant flora taxa and vegetation types (EPA 2016b).

It should be noted that this survey builds on previous work conducted to inform the EIA process for the Project, as detailed in **Section 3.1**.

2.0 Background

2.1 Climate

The Study Area is located in the Pilbara region (Fortescue Botanical District) as defined by Beard (1975, 2015) and the eastern extent of the Pilbara Interim Biogeographic Regionalisation for Australia (IBRA) Bioregion (Commonwealth of Australia 2012); the Study Area is located less than 15 km from the junction of the Pilbara IBRA Bioregion with the Great Sandy Desert (Canning Botanical District) and Little Sandy Desert (Keartland Botanical District) IBRA bioregions. The climate of the Pilbara Bioregion is classified as arid tropical, with precipitation received primarily over the summer months. Average annual precipitation is 250-300 millimetres (mm); this is generally slightly higher than most of the Eremaean Province of WA due to the influence of relatively frequent tropical cyclones that occur from November to April (Beard 2015; BoM 2018). The climate of the Great Sandy Desert and Little Sandy Desert IBRA bioregions is also classified as arid tropical with primarily summer rain, however the precipitation is lower, ranging from 200-300 mm annually (Beard 2015).

Graph 2.1 displays monthly precipitation and monthly maximum temperature statistics for 2020 and 2021, as well as long-term average monthly maximum temperature and monthly precipitation data recorded at Bureau of Meteorology (BoM) stations at Marble Bar (station number 4106, data from 2000-2021) and Telfer Aero (station number 13030, data from 1974-2021) (BoM 2021a). These two stations represent the most relevant meteorological stations to the Study Area with long-term climate data; Marble Bar station is situated within the Pilbara IBRA Bioregion, approximately 160 km west-northwest of the Study Area, while Telfer Aero station is situated in the Great Sandy Desert IBRA Bioregion, approximately 100 km east of the Study Area (BoM 2021a). Note that the monthly climate data used to prepare **Graph 2.1** has been taken from BoM monthly climate statistics data, which is calculated by BoM from daily temperature and precipitation records; review of the daily data from Marble Bar and Telfer Aero stations reveals that there are a number of gaps in these datasets over the assessed period. Therefore, there is inherent uncertainty in the data presented in **Graph 2.1** and discussed below, and consequently it should be considered to be indicative only. Note also that for presentation purposes, the precipitation axis for 2021 in **Graph 2.1** has been aligned with that for 2020.

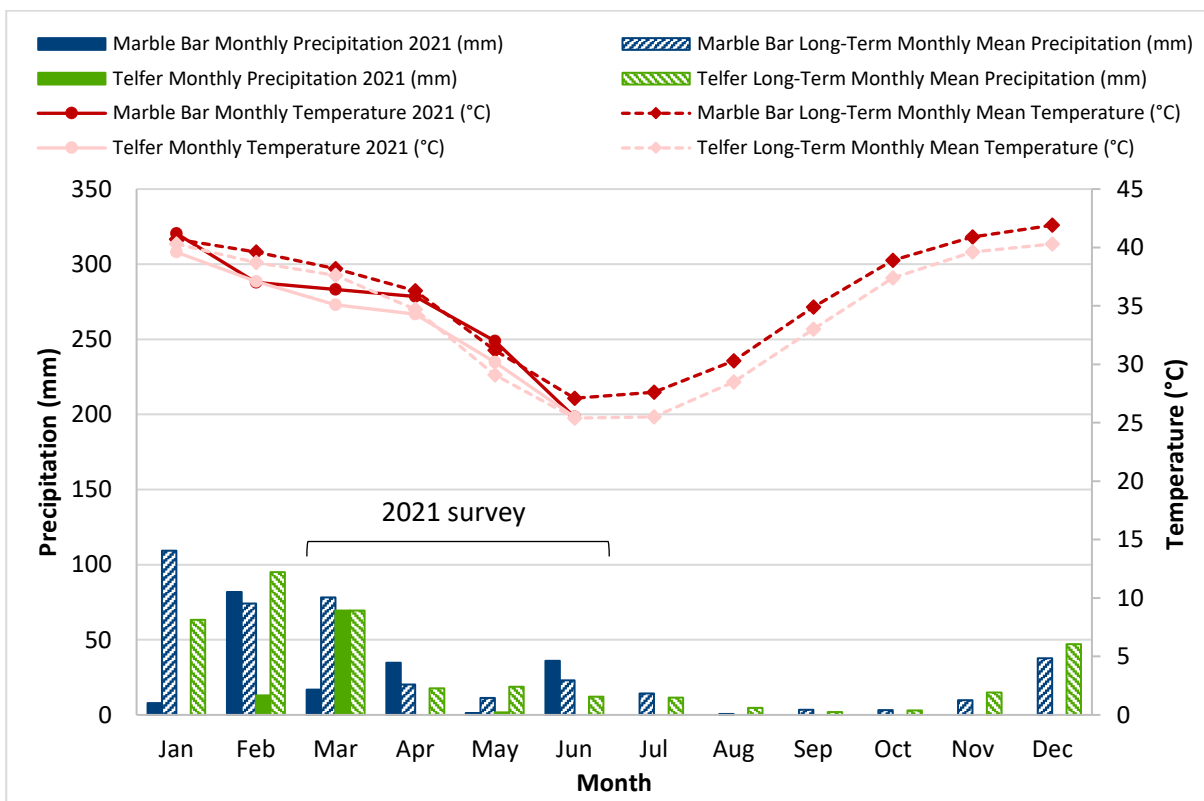
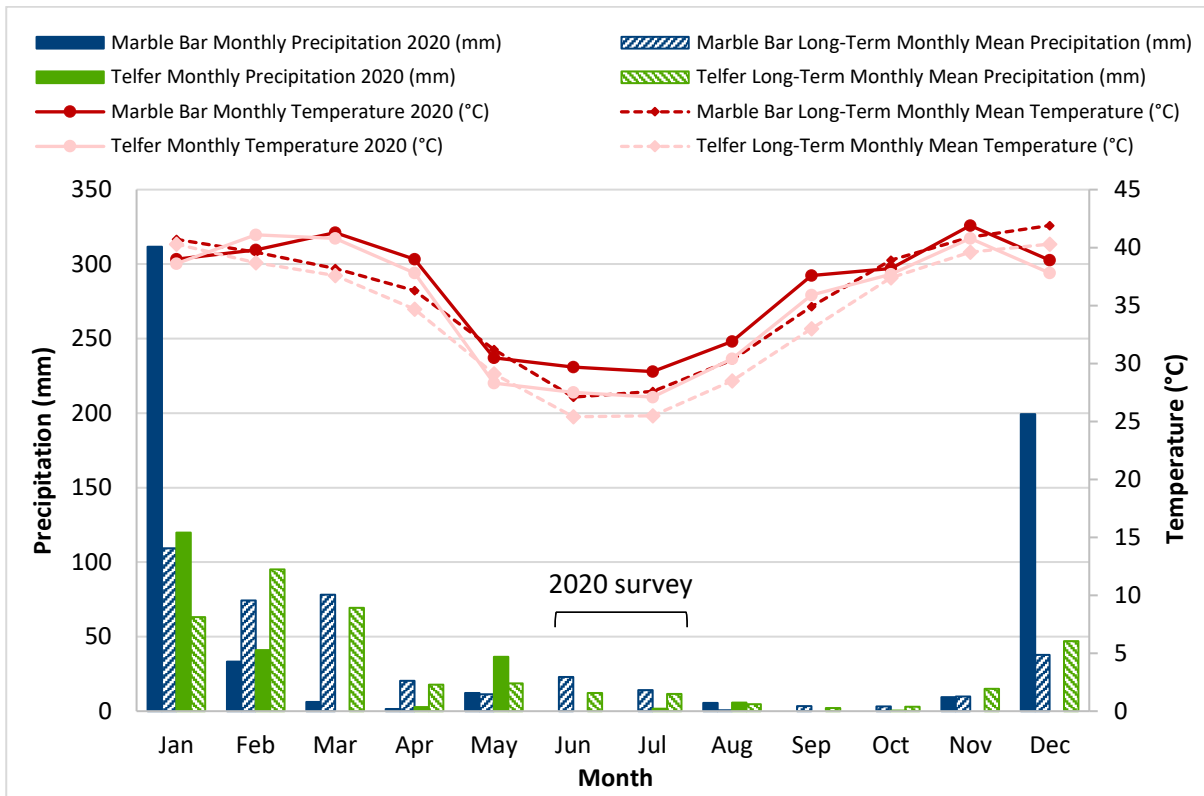
Long-term average monthly maximum temperatures at Marble Bar and Telfer Aero peak from December to January (41.9 °C to 40.7 °C for Marble Bar; 40.3 °C for Telfer Aero), while long-term average monthly precipitation peaks from January to March (a total of 261.6 mm received over this period at Marble Bar and 227.7 mm at Telfer Aero) (**Graph 2.1**).

The precipitation received at Marble Bar in the six months preceding the 2020 field survey (January to June 2020) (365 mm) was above the long-term average for this period (323 mm). This was the result of a tropical cyclone in January 2020 delivering 312 mm of rainfall, 197 mm above the long-term average precipitation for this month. However, the precipitation received at Marble Bar over the remaining months was below average, with only 53 mm received from February to June 2020, compared to the long-term average of 209 mm for this period (**Graph 2.1**). Telfer Aero also experienced above average rainfall in January 2020 but to a lesser extent, receiving 120 mm, or 57 mm more than average for this month. However, as for Marble Bar, Telfer Aero experienced below average precipitation for the subsequent months, receiving only 80 mm from February to June 2020, compared to the long-term average of 216 mm for this period (**Graph 2.1**).

Marble Bar and Telfer Aero both experienced above average maximum temperatures in the six months preceding the 2020 field survey (January to June 2020). The average monthly maximum temperature at Marble Bar for this period was 36.6 °C compared to the long-term average of 35.5 °C, while at Telfer Aero the average monthly maximum temperature from February to June 2020 was 35.7 °C compared to the long-term average of 34.3 °C (**Graph 2.1**).

The precipitation received at Marble Bar in the six months preceding the 2021 field survey (September 2020 to February 2021) (298 mm) was above the long-term average for this period (238 mm). This was the result of a tropical cyclone in December 2020 delivering 199 mm of rainfall, 162 mm above the long-term average precipitation for this month. However, the precipitation received at Marble Bar in January 2021 was well below average, with only 7.8 mm received, compared to the long-term average of 109 mm for this month. Precipitation received in February 2021 (82 mm) was similar to the long-term average for the month (74 mm) (**Graph 2.1**). There is no precipitation data available for Telfer Aero for November 2020 to January 2021 (**Graph 2.1**), and therefore no informative comparisons to the long-term average for this period can be made.

The maximum temperatures experienced at Marble Bar and Telfer Aero in the six months preceding the 2021 field survey (September 2020 to February 2021) were generally similar to the long-term averages. The average monthly maximum temperature at Marble Bar for this period was 39.1 °C compared to the long-term average of 39.5 °C, while at Telfer Aero the average monthly maximum temperature from September 2020 to February 2021 was 38.2 °C, equal to the long-term average (**Graph 2.1**).



Graph 2.1 Average Daily Maximum Temperature and Total Precipitation for 2020 (top) and 2021 (bottom), and Long-Term Average Monthly Maximum Temperature and Precipitation for Telfer Aero and Marble Bar Stations (BoM 2021a)

2.2 Geology, Landforms and Soils

The Study Area is located within the Chichester Subregion in the eastern extent of the Pilbara IBRA Bioregion near the junction with the Great Sandy Desert and Little Sandy Desert IBRA bioregions. The Pilbara Bioregion is formed of a basement of Archaean granite and volcanics, overlain by massive deposits of Proterozoic sediments and volcanics. This region is generally mountainous, rising to 1250 metres (m), with hard alkaline red soils on plains and pediments, and shallow and skeletal soils on ranges. The Great Sandy Desert Bioregion is formed of Quaternary sandplain overlying Cretaceous and Jurassic sandstones that are exposed locally. It consists of gently undulating plains dominated by longitudinal dunes of varying frequency tending mainly west-northwest to east-southeast, with red earthy sands and red siliceous sands and exposures of ironstone gravels locally. Finally, the Little Sandy Desert Bioregion is formed of Quaternary sandplain with longitudinal dunes developed over locally exposed Proterozoic siliceous rocks. The region consists of sandplain of red earthy sands with numerous low hills and small ranges of mainly bare rock and shallow stony soils (Beard 2015).

The Study Area traverses one physiographic region as defined by Beard (1975), being the Abydos Plain. The Abydos Plain is alluvial in origin near the coast while further inland is of Archaean granite origin. It consists of a variety of features including alluvial plains, pediplains, low stony hills and dissected pediments, low granite outcrops and tors, and basic dykes. It is divided into a number of isolated sections by the Gorge Ranges. The main soils are hard alkaline red soils, with some areas of coarse-textured A horizons to 45 centimetres (cm) thick, while other areas have shallow stony A horizons. Patches of calcrete also occur. On the eastern part of the plain near the De Grey River, the soils are chiefly neutral and acidic red earths, while on the inland plains behind the Gorge Ranges, chief soils are earthy loams and coarse sands overlying granite within 90 cm of the soil surface. The alluvial plains along the coast generally consist of red earthy sands with extensive areas of red earths, and hard red soils along creek lines. Deep cracking clays occur in the vicinity of residuals of basic and ultrabasic rocks in the Roebourne area (Beard 1975).

2.3 Groundwater and Surface Water Values

The eastern Pilbara surface hydrology is defined by discrete river catchment systems consisting of over 20 tributaries that feed into the central De Grey River. Surface water flow throughout this area is infrequent, only occurring after significant rainfall events (MBS 2020).

The Study Area is located in the De Grey River Region, in a large synclinal basin known regionally as the Oakover Syncline. The Oakover Syncline is a platform carbonate unit that disconformably overlies the Jeerinah Formation. The Oakover Syncline hosts two major aquifer units, the Pinjian Chert Breccia and the Upper Carawine Dolomite, forming a major regional scale aquifer (Moly Mines 2007). Within the Oakover Syncline, the Study Area is located in the western arid zone of the Muddauthera Creek catchment, a tributary to the Oakover River and, in turn, the De Grey River (MBS 2020). The Oakover River is located approximately 3.5 km west of the Study Area.

Surface water generally flows east to west across the Study Area into the Oakover River, via three main tributaries that have their headwaters upstream of the Study Area (Warri Warri (Stony) Creek in the south, Brumby (Wet) Creek in the centre and Muddauthera (Manganese) Creek in the north of the Study Area). Warri Warri and Brumby Creeks connect into a single tributary at the western boundary of the Development Envelope prior to entering the Oakover River. Muddauthera Creek flows in an overall east-west direction to the Oakover River, approximately 4 km from the Study Area (MBS 2020).

Creeks and tributaries at Woodie Woodie are typically dry for the majority of the year. However, Muddauthera Creek is characterised by a number of semi-permanent waterholes that may persist many months after rainfall. There are no known natural permanent water bodies or wetlands within the Development Envelope (MBS 2020).

Groundwater recharge at Woodie Woodie is by rainwater infiltration through the overlying, highly permeable unsaturated rocks and sediments (MBS 2010), and is aided by the significant zones of faulting and lithological characteristics such as vughs and cavities often associated with breccias and cavernous dolomites (MBS 2020). Regional groundwater flow in the Woodie Woodie area is thought to be from east to west, away from the topographically high areas (normally coincident with outcropping Jeerinah Formation, locally referred to as the Gregory Ranges) towards the Oakover River. This river is considered to be the major natural discharge area within the region (Moly Mines 2007; MBS 2020).

According to the Groundwater Dependent Ecosystems (GDE) Atlas (BoM 2021b), there are numerous pools and permanent pools representing unclassified potential aquatic GDEs within the Desktop Study Area, as well as the Oakover River (High potential aquatic GDE) and Boodalyerri Creek (Moderate potential aquatic GDE). There are no Ramsar wetlands or Nationally Important Wetlands in the Desktop Study Area (DAWE 2021). However, Carawine Gorge, a wetland of subregional significance (Kendrick and McKenzie 2001) occurs within the Desktop Study Area, approximately 16 km northwest of the Study Area.

2.4 Land Tenure

The Study Area is located on Warrawagine and Wandanya pastoral stations and Unallocated Crown Land (UCL). There are extensive areas of both pastoral lease and UCL that surround the Study Area (DBCA 2007-). The nearest DBCA reserved land, ex Meentheena Station, is located approximately 40 km west of the Study Area.

3.0 Methods

3.1 Desktop Assessment Methods

Prior to commencement of the 2020 field survey, a review of all publicly available flora and vegetation data relevant to the Study Area was undertaken. This included obtaining and reviewing copies of reports of previous biological surveys carried out within the vicinity of the Study Area (where available) and interrogation of relevant databases and other sources as listed in Table 3.1 within the Desktop Study Area (**Figure 1.1**). The results of the desktop assessment were updated prior to the 2021 field survey as per **Table 3.1**. Where TECs or PECs were identified by the desktop assessment, appropriate nomination / listing descriptions and recovery plans of the TEC or PEC were also reviewed prior to field survey.

Table 3.1 Searches Undertaken for the Desktop Assessment of the Study Area

| Source | Search Attributes | Search Purpose |
|--|--|--|
| DAWE Species Profile and Threats (SPRAT) Database (interrogated using the Protected Matters Search Tool) (DAWE 2020, 2021a) | Database interrogated using approximate Desktop Study Area (exact boundary cannot be used). Coordinates of database search provided in Appendix D . Initial search conducted prior to 2020 survey and updated in 2021 | Identify Matters of National Environmental Significance (MNES), including Threatened flora and TECs listed under the EPBC Act, that occur or have the potential to occur within the Desktop Study Area |
| DBCA Threatened Ecological Community (TEC) and Priority Ecological Community (PEC) Database (DBCA 2020a) | Database interrogated using Desktop Study Area boundary. No additional buffer applied. | Obtain records of DBCA-classified TECs and/or DBCA-classified PECs within the Desktop Study Area |
| DBCA <i>NatureMap</i> (TEC and PEC records) (DBCA 2007-) | Review of mapped DBCA TECs and PECs within or in proximity to the Desktop Study Area. Initial search conducted prior to 2020 survey and updated in 2021 | Identify whether there are any DBCA-classified TECs or PECs that could occur within the Desktop Study Area |
| DBCA TEC and PEC lists (DBCA 2018, 2021) | Manual review of current DBCA TECs and PECs listed for the Pilbara region. | Identify whether there are any additional DBCA listed TECs or PECs that could occur within the Desktop Study Area |
| DBCA Significant Flora Databases (WA Herbarium specimen database and Threatened and Priority Flora (TPFL) database) (DBCA 2020b) | Database interrogated using Desktop Study Area boundary. No additional buffer applied. Search conducted prior to 2020 survey | Obtain records of listed significant flora within the Desktop Study Area |
| DBCA <i>NatureMap</i> (WA Herbarium and TPFL records) (DBCA 2007-) | Database interrogated using approximate Desktop Study Area. Initial search conducted prior to 2020 survey and updated in 2021 | Obtain records of listed significant flora and introduced flora within the Desktop Study Area |
| Previous flora and vegetation surveys conducted for the Project or within or in the vicinity of the Study Area (various sources) | Desktop Study Area | Identify records of significant flora and vegetation and introduced flora |
| 2018 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (GoWA 2019) | Study Area | Identify extent of Vegetation System Associations within the Study Area |

3.2 Personnel and Licensing

Table 3.2 lists the personnel involved in both fieldwork and plant identifications for the flora and vegetation assessment. Project Managers have had considerable previous experience (> 5 years) and field team leaders have previous experience (> 2 years) in conducting flora and vegetation surveys in the Pilbara. Other personnel have previous experience in assisting with flora and vegetation surveys in the region. All plant material was collected under the relevant *Flora Taking (Biological Assessment) Licence* (under Regulation 62 of the Biodiversity Conservation Regulations 2018 (BC Regs)) and *Authorisation to Take or Disturb Threatened Species* (pursuant to Section 40 of the BC Act) as outlined in **Table 3.2**. Personnel managing plant identifications have had extensive previous experience (> 10 years) in plant identifications of flora of the Pilbara, and checked plant identifications undertaken by less experienced personnel for accuracy.

Table 3.2 Personnel and Licensing Information

| Personnel and Qualifications | Flora Collecting Permit (BC Act) | Role | |
|---|----------------------------------|---|---|
| | | 2020 | 2021 |
| [REDACTED] BA (Biological Sciences) | | | Field survey assistance |
| [REDACTED] BSc (Biotechnology) (Hons) | FB2000066-2 TFL 90-2021 | | Project Management Assistance Field survey |
| [REDACTED] BSc (Environmental Biology) (Hons) | FB62000051 TFL23-1819 | Field survey Plant identifications | Project Management Field survey Plant identifications |
| [REDACTED] BSc (Agricultural Science, Conservation Biology) | | | Field survey assistance |
| [REDACTED] BSc (Conservation and Wildlife Biology) | FB62000233 TFL 109-2021 | Field survey | Field survey |
| [REDACTED] BE (Mechanical Engineering) (Hons) | | | Field survey assistance |
| [REDACTED] Mgr (Ecological and Evolutionary Biology) | FB62000251 TFL 110-2021 | Field survey Plant identifications | Field survey Plant identifications |
| [REDACTED] MSc (Environmental Management) | FB62000185b TFL 91-1718 | | Field survey |
| [REDACTED] BSc (Science) | FB62000054 TFL 22-1819 | | Field survey |
| [REDACTED] BSc (Conservation Biology) | FB62000055 TFL145-1920 | Field survey Plant identifications | |
| [REDACTED] PostGrad. Dip. Sc. (Environmental Biology and Management) | FB62000057 TFL143-1920 | Field survey | Field survey Plant identifications |
| [REDACTED] BSc (Environmental Science) (Hons) | FB62000056 TFL26-1819 | Project Management Field survey Plant identifications | |
| [REDACTED] BSc (Environmental Science, Botany) | FB620000340 | | Field survey assistance |
| [REDACTED] BSc (Ecology) (Hons) PDC (Countryside Management) | FB62000308 | | Field survey assistance |

3.3 Aerial Photography Interpretation and Survey Design

Initial interpretation of ortho-rectified aerial photography (provided by ConsMin; photography from April 2019 for 2020 survey and May 2020 for 2021 survey) at a scale of 1:10,000 was conducted to determine preliminary vegetation patterns present within the Study Area (including areas of restricted or unusual landforms and types), with quadrats allocated based on these patterns. A minimum of three quadrats were allocated to each major discernible vegetation pattern where possible; for smaller patterns, fewer quadrats were allocated based on the size of the pattern, while for widespread vegetation patterns, quadrats were allocated across their geographic range.

As mentioned in **Section 1.1**, the 2020 field survey focused on previously unsurveyed areas of the Development Envelope, while the 2021 field survey was conducted throughout the wider Study Area, including additional unsurveyed areas and within areas previously subject to vegetation assessment, excluding the areas assessed in 2020. Whilst other historical consultant survey data and reports from within the Study Area were reviewed during the desktop assessment (see **Section 5.1.4**), quadrat data from these surveys was not used for floristic analysis purposes, and areas covered by such surveys were allocated quadrats by Umwelt during the 2021 field survey.

3.4 Field Survey Methods

The survey design for the 2020 and 2021 surveys of the Study Area comply with the requirements of EPA (2016b) and are consistent with the methods used by other similar flora and vegetation assessments conducted within the vicinity of the Study Area (**Section 5.1.4**) and the wider Pilbara Bioregion.

3.4.1 Survey Timing

Flora and vegetation field surveys were undertaken over several survey periods in 2020 and 2021, as outlined below:

- 8th – 15th June 2020 (flora and vegetation quadrat assessment)
- 25th June – 2nd July 2020 (flora and vegetation quadrat assessment)
- 18th – 26th March 2021 (flora and vegetation quadrat assessment and targeted significant flora searching)
- 9th – 16th April 2021 (flora and vegetation quadrat assessment and targeted significant flora searching)
- 6th – 14th May 2021 (flora and vegetation quadrat assessment and targeted significant flora searching)
- 20th – 28th May 2021 (flora and vegetation quadrat assessment and targeted significant flora searching)
- 17th – 25th June 2021 (targeted significant flora searching).

The timing of the field surveys was selected to coincide with the most appropriate time to survey in the Pilbara Bioregion; this is considered to be approximately six to eight weeks post wet season (generally March to June) as most of the taxa in this region flowers at this time. This includes the majority of significant taxa that potentially occur in the Study Area (see **Section 5.1.5**).

The Study Area was accessed by vehicle using existing access tracks, via foot transects and via helicopter where access by vehicle was non-viable (2021 survey only). Appropriate landholder/manager permissions were obtained prior to undertaking the 2020 and 2021 surveys.

3.4.2 Sample Sites

A total of 504 non-permanent flora and vegetation survey quadrats were established and surveyed in the Study Area during the 2020 and 2021 field surveys (133 quadrats in 2020 and 371 quadrats in 2021). The placement of the quadrats within the Study Area was as below:

- 47 quadrats within the Footprint
- One within the existing approved footprint
- 248 within the wider Development Envelope
- 208 within the wider Study Area.

The quadrat size utilised for the flora and vegetation survey of the Study Area is the indicative size for flora and vegetation surveys in the Pilbara IBRA Bioregion, as outlined in Table 1 of the Technical Guidance (EPA 2016b). All quadrats encompassed a total area of 2,500 metres squared (m²); most measured 50 m × 50 m squares; however, occasionally rectangular quadrats with different dimensions (e.g. 100 m × 25 m) were established in narrower vegetation patterns such as those along creek lines. Quadrat boundaries were demarcated using high accuracy handheld Global Positioning System (GPS) units and surveying tape measures. Quadrat locations were selected to ensure that at least three quadrats were surveyed within each vegetation pattern initially identified from aerial photography interpretation, where possible (as per **Section 3.3**). The final quadrat locations were adjusted from the initial proposed locations if variations in floristic patterning were observed in the field, or if access or safety issues were encountered. Vegetation boundaries or transition zones were avoided. Additional quadrats were established in areas that were not identified by the initial aerial photography interpretation but were observed in the field to differ from pre-identified areas, or areas of unusual habitat.

All vascular flora taxa (native and introduced) that were visually identifiable within each quadrat were recorded. At least one reference specimen of most taxa encountered (excluding common, distinctive taxa) was collected for verification and identification purposes (see **Section 3.5**).

The following information was recorded at each quadrat:

- Personnel
- Unique quadrat number (Site Name)
- Survey date
- GPS coordinates at start corner of quadrat (recorded using handheld GPS units) (Geocentric Datum of Australia (GDA94), Zone 51)
- Size and dimensions of quadrat
- Site photograph, taken diagonally from start corner

- Compass bearing for two sides of quadrat that commence at start corner of quadrat
- Topography (including landform type and slope class)
- Soil colour and type (including the presence of any rock outcropping and surface stones)
- Vegetation condition (EPA 2016b; scale presented in **Appendix A**) and a description of disturbances (where relevant)
- Approximate time since fire
- Foliage cover (%) (for each taxon, native and introduced, including cover within the quadrat of individuals rooted outside of the quadrat)
- Height (m) (average for each taxon, native and introduced, excluding climbers/aerial shrubs)
- Additional flora taxa present immediately outside of the quadrat.

Flora and vegetation survey quadrats are not considered to be the most appropriate sampling method in all instances. Where areas of vegetation in relatively degraded condition are encountered, or if areas of vegetation are too narrow to allow for the establishment of quadrats (e.g. narrow road verges), the establishment and survey of relevés rather than quadrats is considered more appropriate. A total of 18 non-permanent flora and vegetation survey relevés were established and surveyed in the Study Area during the 2020 and 2021 field surveys (one relevé in 2020 and 17 relevés in 2021). The placement of the relevés within the Study Area was as below:

- Seven relevés within the Footprint
- Six within the wider Development Envelope
- Five within the wider Study Area.

Relevés surveyed an area within a radius of approximately 20 m around a central point. All data recorded for quadrats (as listed above) was also recorded for the relevé; however, only dominant taxa of each stratum level were recorded, as well as any taxa not previously observed elsewhere.

All traverses made during the 2020 and 2021 field surveys are mapped as track logs on **Figure 3.1**, along with quadrat and relevé locations.

3.4.3 Vegetation Notes

Notes on vegetation pattern boundaries and distribution were also taken while traversing the Study Area. These notes included a GPS location at the point where the notes were taken (GDA94, Zone 51), and a brief description of the vegetation, including dominant and characteristic taxa. The notes were used to aid in mapping polygons of vegetation patterns that were not allocated quadrats or relevés. Not all vegetation pattern polygons received quadrats or relevés due to time constraints; however, many polygons could be confidently allocated to a final vegetation type (VT) using a combination of field mapping notes and aerial photograph interpretation. Additional flora taxa were also recorded opportunistically in the Study Area during traverses between quadrats and relevés, with GPS locations of such taxa recorded (GDA94, Zone 51).

3.4.4 Targeted Survey for Significant Flora and Vegetation

Systematic targeted survey for significant flora taxa was undertaken as part of the 2021 survey over the entirety of the Footprint; there were some exceptions, including extremely small polygon slivers that were observed in the field to have no remnant vegetation remaining, and some small areas where access was restricted (see **Section 4.2**). All taxa identified by the desktop assessment as potentially occurring within the Study Area were considered to be identifiable during the survey, and therefore all such taxa were targeted (**Section 5.1.5**). Information relating to identifying characteristics, flowering period and habitat of these taxa was provided to all field team members prior to undertaking targeted survey. Targeted survey was undertaken via transects spaced approximately 50 m apart. Where plants of significant flora taxa were encountered, survey was undertaken between transects.

The following information was recorded along traverses (where significant flora were encountered):

- Location
- GPS coordinates (recorded using handheld GPS units) (GDA94, Zone 51)
- Taxon encountered
- Count of taxon individuals at location within a radius of approximately 25 m from GPS coordinates
- Comments on landform, aspect, soil type, vegetation condition, time since fire, and disturbance, where relevant.

Following completion of targeted survey for significant flora taxa in the Footprint, further targeted searching for those taxa recorded in the Footprint was undertaken outside the Footprint to provide contextual data for EIA. Initially, targeted searching focused on areas of potential habitat in the Study Area, particularly at locations where significant flora taxa were recorded by previous surveys (**Section 5.1.4**) or were recorded within quadrats established and assessed in 2020 and 2021. Additionally, targeted searching for significant flora taxa was undertaken outside the Footprint in the Development Envelope adjacent to specific parts of the Footprint, to allow for flexibility in the final Footprint location.

Two methods were used for the targeted significant flora searching outside the Footprint in the Study Area, depending on the relative abundance and spatial distribution of the target taxon. For those taxa that were found to occur in relatively low abundance in small spatial patches (i.e. all taxa except *Corchorus* aff. *incanus* (potentially undescribed)), a similar method to that employed in the Footprint was implemented (detailed counts); however, foot transects were not conducted in a grid pattern, with transects instead following potential habitat to maximise the volume of data recorded. For *Corchorus* aff. *incanus* (potentially undescribed) which occurred in high abundance across large spatial areas, in line with the method outlined in EPA (2016b) population density quadrats were established within habitat where this taxon occurred, and individuals within the quadrat were counted, to allow for the determination of density of individuals within a given area. A total of 45 such quadrats were established (**Figure 3.1**). An estimate of the total number of individuals in a given area was calculated by multiplying the average density of the taxon across the population density quadrats by the area of known habitat (subsequently referred to as the ‘habitat density method’). Population density quadrats encompassed a total area of 2,500 m² and measured 50 m × 50 m, and were placed in areas of what was considered typical density of *Corchorus* aff. *incanus* (potentially undescribed).

It was also determined that further targeted survey outside the Study Area, both in the local area in the vicinity of Woodie Woodie mine and the wider region surrounding it, was required for two significant flora taxa recorded in the Footprint (*Lepidium amelum* (P1) and *Corchorus* aff. *incanus* (potentially undescribed)), to provide adequate contextual information for the EIA for the Project. A total of seven areas considered likely to contain habitat for the target taxa ('regional survey sites') were identified based on aerial photography interpretation (as presented on **Figure 3.2**; labelled 1 to 4 for *Lepidium amelum* (P1) and A to C for *Corchorus* aff. *incanus* (potentially undescribed)). The sites considered most likely to contain *Lepidium amelum* (P1) were visited as a priority, as limited contextual data had been recorded for this taxon in the Study Area. The methods used at the regional survey sites were as for targeted searching in the Study Area outside the Footprint (as detailed above), except that detailed counts only were recorded for *Corchorus* aff. *incanus* (potentially undescribed). This is because the habitat density method relies on mapping of habitat, and mapping of habitat outside the Study Area was beyond the scope of this survey.

Targeted significant flora searching was also undertaken opportunistically while traversing to quadrat and relevé locations. If new populations of significant flora taxa were identified, a representative collection of material was made (**Section 3.5**). Information recorded at such locations was the same as that recorded during targeted searching.

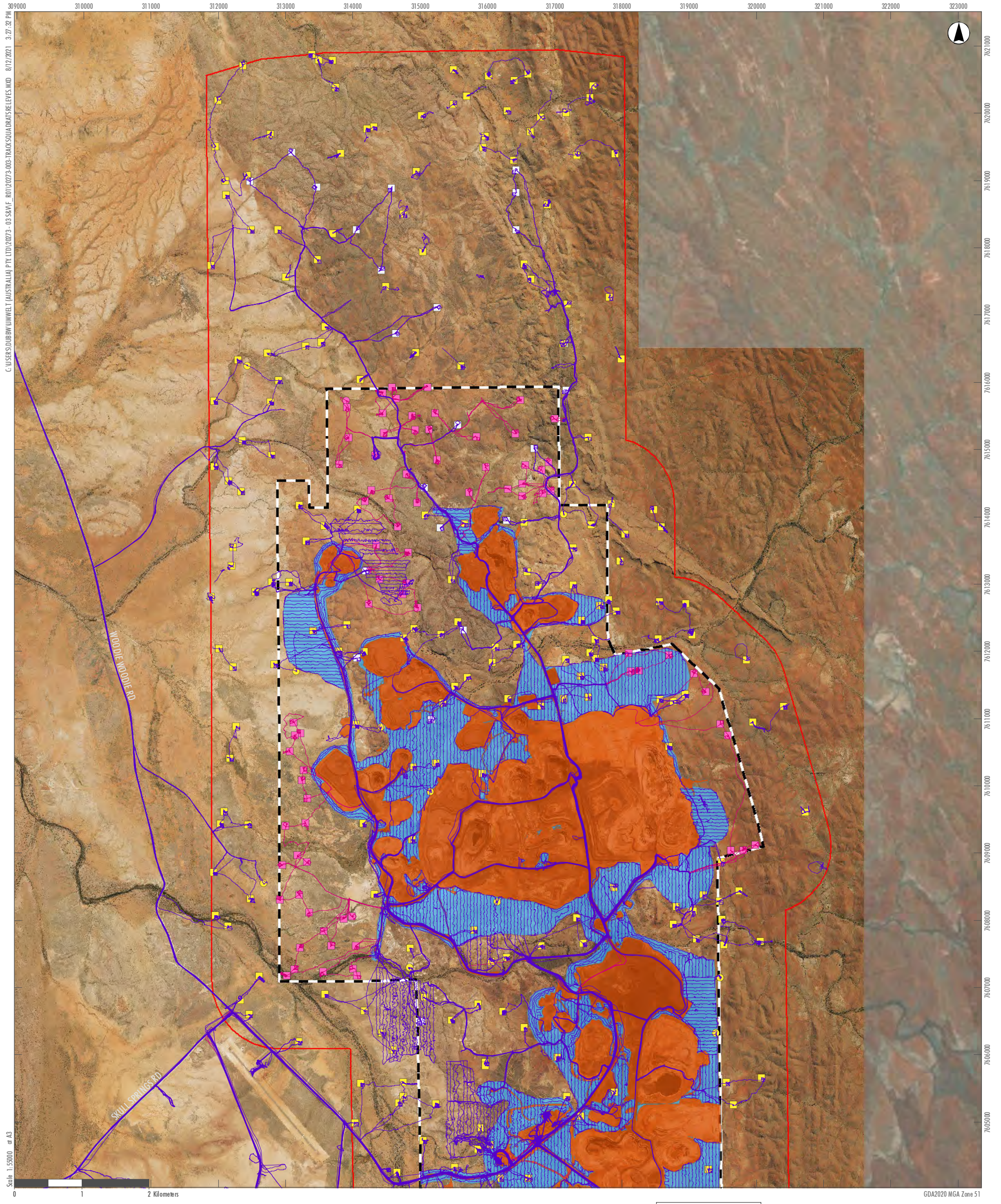
No counts of taxa were made where hitherto unknown significant flora taxa were identified from plant collections taken at quadrat/relevé locations only.

No targeted searching for significant vegetation was undertaken in 2020 or 2021 as the desktop assessment did not identify any listed significant vegetation likely to be present in the Study Area (**Section 0**).

All traverses made during the 2020 and 2021 field surveys are mapped as track logs on **Figure 3.1** (within the Study Area) and **Figure 3.2** (at regional survey sites).

3.4.5 Introduced Flora

Opportunistic locations of introduced flora taxa encountered while traversing between quadrats and relevés, and while conducting targeted searching for significant flora taxa, were recorded using the same method as for significant flora taxa, with particular emphasis given to WoNS and Declared Pests.



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 Scale: 1:50000 at A3

GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Proposed Indicative Footprint
 - Existing Approved Project Footprint
 - Roads
 - Track Logs (2020)
 - Track Logs (2021)
- Sample Sites**
- Quadrat (2020)
 - Relevé (2020)
 - Quadrat (2021)
 - Relevé (2021)
 - Population Density Quadrats (2021)

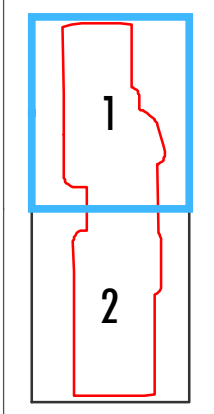
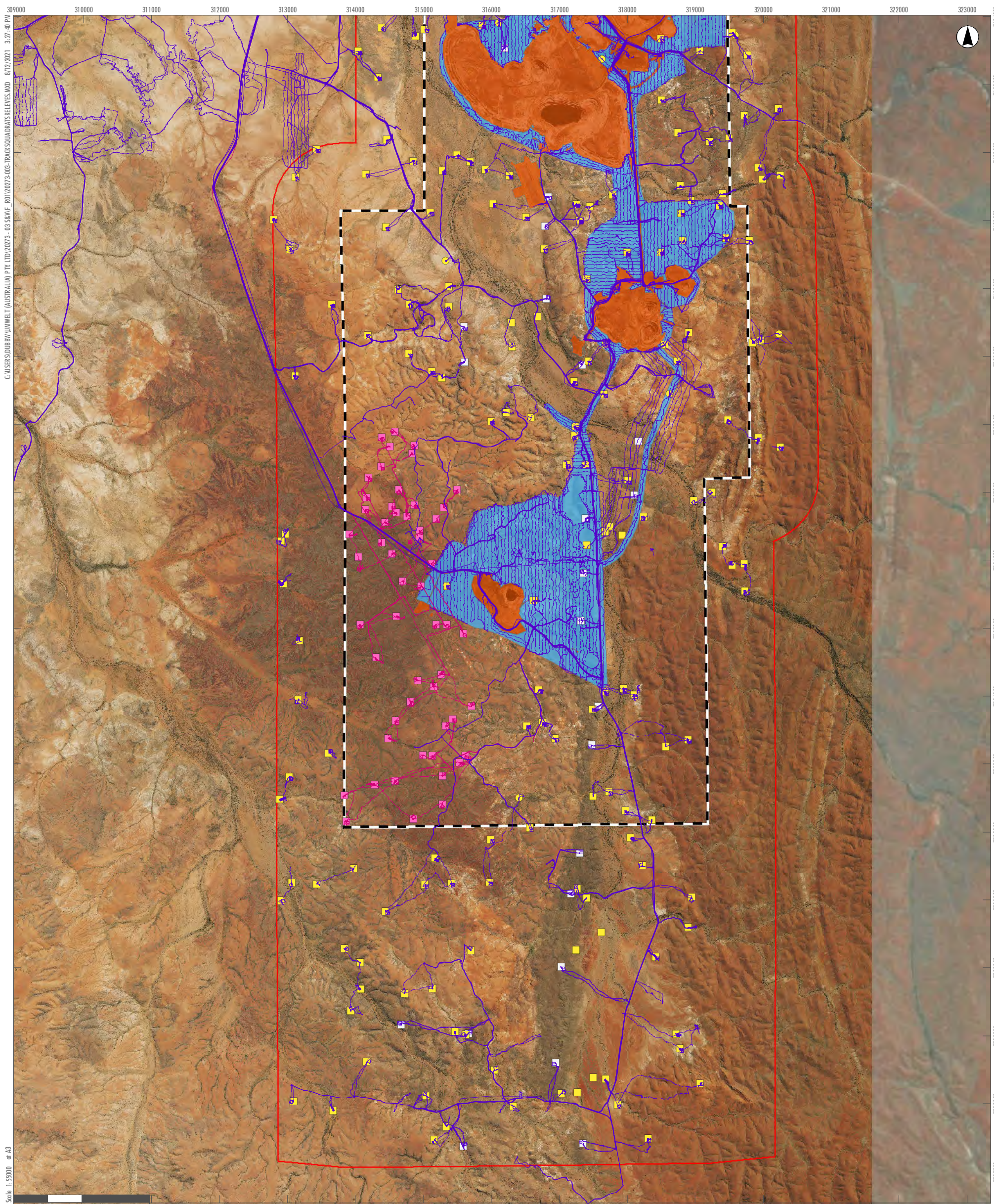


FIGURE 3.1

Track Logs, Quadrats and Relevés from the 2020 and 2021 Surveys of the Study Area



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GDA2020 MGA Zone 51

Legend

- Study Area
 - Development Envelope
 - Proposed Indicative Footprint
 - Existing Approved Project Footprint
 - Roads
 - Track Logs (2020)
 - Track Logs (2021)
- Sample Sites**
- Quadrat (2020)
 - Relevé (2020)
 - Quadrat (2021)
 - Relevé (2021)
 - Population Density Quadrats (2021)

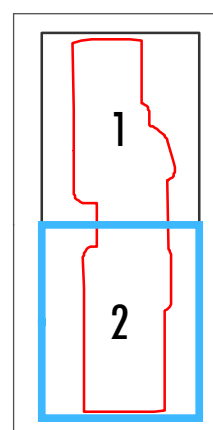
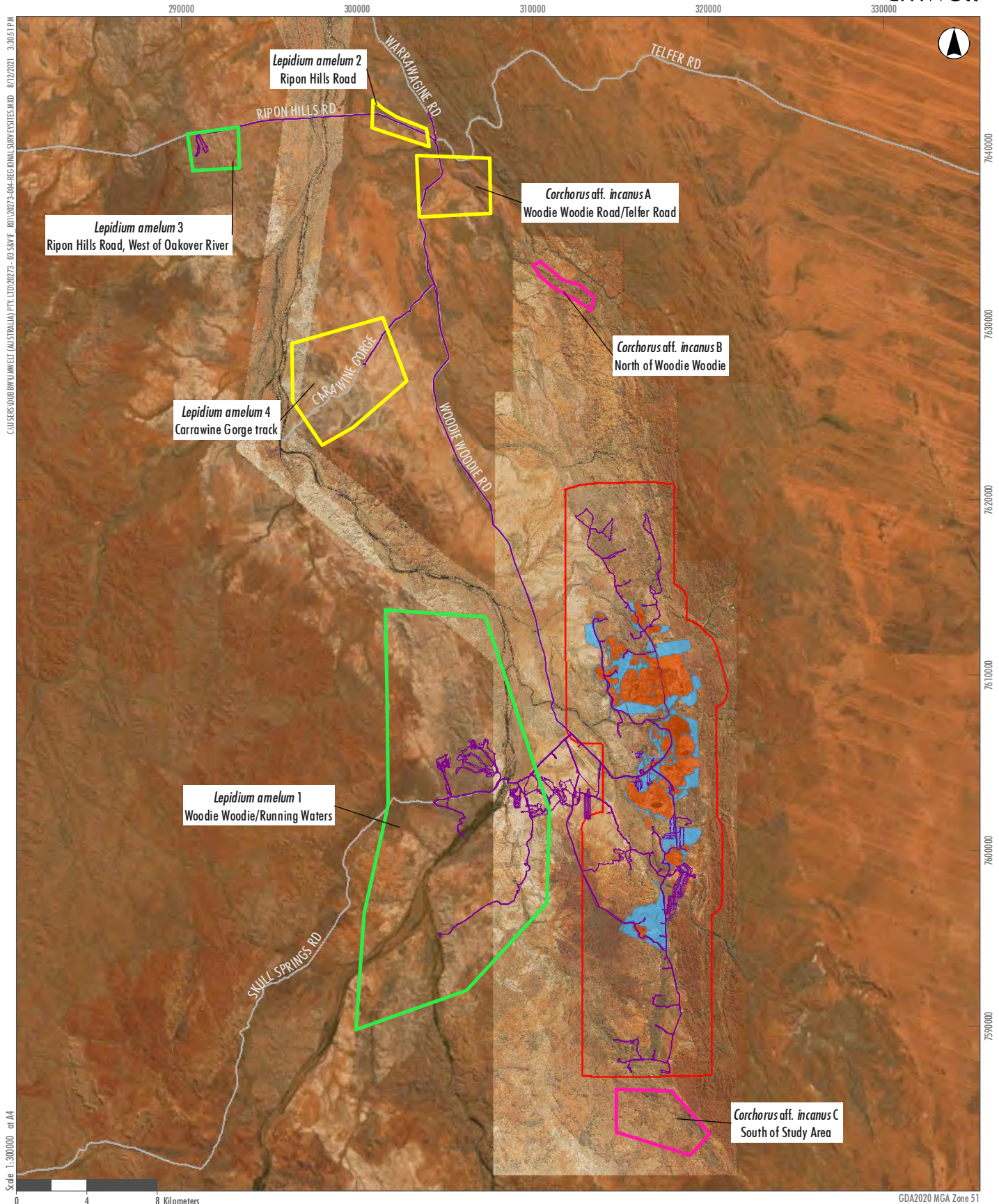


FIGURE 3.1

Track Logs, Quadrats and Relevés from the 2020 and 2021 Surveys of the Study Area



Scale 1:300000 at A4
0 4 8 Kilometers

GDA2020 MGA Zone 51

Legend

- Study Area
- Proposed Indicative Footprint
- Existing Approved Project Footprint
- Roads
- Track Logs (2021)
- Regional Survey Sites**
- Visited Regional Sites
- Inaccessible Regional Sites
- Surveyed Regional Sites

FIGURE 3.2

Regional Survey Sites Assessed by the 2021 Survey

3.5 Plant Collection and Identification

Specimens of any unknown taxa encountered during the field survey were collected and pressed as per Western Australian Herbarium (WA Herbarium) guidelines (WA Herbarium 2020). Plant identifications were undertaken at the WA Herbarium and were overseen by a Principal Botanist with extensive previous experience (> 10 years) in plant identifications for flora of the Pilbara (**Section 3.2**). The identification of all taxa (including significant taxa) used the most up to date information available (including taxonomic keys published in books, journals and online, comparison with herbarium specimens, and consultation with taxonomic experts). External experts of particular families or genera were consulted for any specimens considered to be difficult to identify or of taxonomic interest, including botanists at the WA Herbarium.

Taxon nomenclature generally follows *Florabase* (WA Herbarium 1998-) with all names checked against the current DBCA Max database to ensure their validity. However, in cases where names of plant taxa have been published recently in scientific literature but have not yet been adopted on *Florabase* due to time constraints, nomenclature in the published literature is followed. The conservation status of each taxon was checked against *Florabase*, which provides the most up-to-date information regarding the conservation status of flora taxa in WA.

As per section 7.2 of EPA (2016b), specimens of interest, including significant flora taxa, taxa representing range extensions, potential new taxa, and key species in new occurrences of TECs and PECs will be sent to the WA Herbarium for consideration for vouchering as soon as practicable. However, this process is via donation, and the WA Herbarium may not voucher all specimens, in accordance with its own requirements. The specimen vouchering will be supported by completed Threatened and Priority Flora Report Forms submitted to DBCA (Species and Communities Branch) in the case of listed significant flora (i.e. Threatened and Priority flora taxa).

3.6 Floristic Classification Analysis

Floristic classification analysis of 504 quadrats established in 2020 and 2021 (**Section 3.4.2**) was performed to inform the final grouping of VTs in the Study Area. The floristic classification analysis was undertaken by a botanist with considerable previous experience (> 5 years) in undertaking and interpreting floristic analysis results, and was reviewed by a botanist with extensive previous experience (> 10 years) in Pilbara analyses.

Taxa belonging to the below categories were removed prior to the classification analysis:

- Ephemeral or annual taxa – given the floristic analysis was performed using quadrat data collected over multiple survey seasons, it is considered inappropriate to include ephemeral or annual taxa in the analysis; the presence of ephemeral or annual taxa is strongly influenced by seasonal conditions, with fewer taxa and individuals usually present following below-average rainfall.
- Introduced taxa – introduced taxa were removed as their distributions are generally defined by the presence of disturbance (e.g. clearing, animal movement) rather than natural ecological drivers. Vegetation type must be determined independently of vegetation condition for the purposes of EIA; therefore, including weeds in the classification analysis introduces the risk of VTs allocated by the analysis being based on condition (presence/absence of introduced species) rather than native taxon presence/absence.

- Hybrids – hybrids are usually the result of random reproductive events that produce small numbers (often only one) of sterile offspring, and are often not associated with particular habitat types.
- Taxa where identification was unclear – taxa were removed from the analysis where identification was unclear due to poor available material in the field. However, if such a taxon was known to be unique within the dataset (i.e. although not identifiable to species level, there was enough material to indicate it representing a unique taxon), and the taxon had multiple records in the dataset, it was included in the analysis.
- Singletons – taxa that occur only once in the dataset were removed, as published studies indicate that they provide little information in the dataset (e.g. Markey and Dillon 2008).

All taxa removed from the classification analysis (excluding taxa belonging to the abovementioned categories) are presented in **Appendix B**. Also presented in **Appendix B** are taxa that were amalgamated in the classification analysis; this was done, for example, where different infra-taxa could not be consistently positively identified at all quadrats due to inadequate material.

The final dataset contained 239 taxa following the removal and/or amalgamation of the above-noted taxa.

A single-layer data matrix using presence/absence species data was used in the classification analysis, with PATN (V4.0) (Belbin and Collins 2013) utilised to perform the classification and ordination analysis of the data matrix. The Bray-Curtis coefficient was used to generate an association matrix for the classification analysis. This association matrix consisted of pairwise coefficients of similarities between quadrats based on floristic data. Agglomerative hierarchical clustering, using flexible Unweighted Pair Group Method with Arithmetic Mean (UPGMA) ($\beta = -0.1$), was used to generate a quadrat classification dendrogram (Sneath and Sokal 1973).

3.7 Vegetation Type Definition, Mapping and Description

The classification analysis of the Study Area floristic data (**Section 3.6**) aggregated quadrats and taxa into groups determined by PATN as potentially appropriate for the dataset (with the number of groups equivalent to the square root of the number of quadrats/taxa (Belbin and Collins 2013)). The resulting dendrogram and taxon group matrix were initially examined at this level to determine the plausibility of groups with regard to taxon groups, in combination with field observations. This process determined a final number of groups, which were considered to represent VTs.

Following this process, floristic and structural data recorded at relevés was examined to determine whether vegetation sampled by such relevés, such as in the case where vegetation condition may not support classification analysis, was analogous to any of the VTs defined by floristic composition classification. Any such vegetation that was not considered to be analogous with any of the VTs defined by floristic classification was considered to represent a discrete VT.

VT descriptions have been adapted from the National Vegetation Information System (NVIS) Australian Vegetation Attribute Manual Version 6.0 (ESCAVI 2003), as stipulated by EPA (2016b). This model follows nationally-agreed guidelines to describe and represent VTs, so that comparable and consistent data are produced nation-wide. It should be noted that the NVIS system utilises vegetation descriptions derived from structural characteristics of the individual community units, while VTs presented in this report are defined based on the results of a floristic classification analysis, excluding any structural data. Such VTs

therefore may include multiple structural types. Considering the effect of disturbance factors such as fire on vegetation structure, this approach is designed to provide a map of VTs that reflect taxon composition and the influences of the physical and chemical environment rather than disturbance history.

It should also be noted that this report describes VTs at the NVIS Sub-Association level, rather than the Association level as recommended by EPA (2016b). This level is considered more appropriate for the vegetation of the Study Area, as often the vegetation possessed one or more additional strata to the traditional three-stratum classification system used at the Association level.

For each VT, indicator taxa were defined via Indicator Taxon Analysis (INDVAL). This was conducted using PC-Ord (V6.08) (McCune and Mefford 2011) via the method of Dufrene and Legendre (1997). This generates INDVAL values (a measure of taxon fidelity to a given VT) that range from 0 to 100; an INDVAL value of 100 indicates that a taxon is present in all quadrats within a particular VT, and absent from all other quadrats included in the analysis. The INDVAL values were then tested for significance of the indicator taxa using a Monte Carlo permutation test. Indicator taxa were defined as taxa with a significance p value of either < 0.05 , < 0.01 or < 0.001 . The same taxa amalgamations (as per **Appendix B**) and exclusions (i.e. ephemeral/annual taxa, introduced taxa, hybrids and singletons) were employed for the indicator species analysis as per the floristic classification analysis (**Section 3.6**).

Locations of quadrats and/or relevés within each VT were used in conjunction with aerial photograph interpretation and field notes taken during survey to develop VT mapping polygon boundaries. Mapping boundaries were developed using aerial photography on a scale of 1:10,000 and reflected changes in vegetation patterns visible at this scale. The VT mapping polygon boundaries were then digitised using Geographic Information System (GIS) software.

3.8 Vegetation Condition Mapping

Vegetation condition was described using the vegetation condition scale presented in EPA (2016b) for the Eremaean and Northern Botanical Provinces (as per **Appendix A**). Notes on vegetation condition were taken during the 2020 and 2021 field surveys via vehicle traverses along access tracks, and during foot traverses undertaken within the Study Area. Vegetation condition was also recorded at all quadrats and relevés. Vegetation condition category polygon boundaries were developed using this information in conjunction with introduced flora taxa location data, and were digitised using GIS software as for VT polygon boundaries.

3.9 Significant Flora and Vegetation

3.9.1 Significant Flora

As per EPA (2016a, 2016b), flora taxa may be significant for a range of reasons, including, but not limited to the following:

- Being identified as a Threatened or Priority species (formally listed significant taxa – includes taxa listed under both State and Commonwealth legislation, and classified as Priority by DBCA)
- Being locally endemic or associated with a restricted habitat type (e.g. surface water or groundwater dependent ecosystems (GDEs))

- Being a new species or having anomalous features that indicate a potential new species
- Being representative of the range of a species (particularly at the extremes of range, recently discovered range extensions, or isolated outliers of the main range)
- Being an unusual species, including restricted subspecies, varieties or naturally occurring hybrids
- Having a relictual status, being representative of taxonomic groups that no longer occur widely in the broader landscape.

Significant flora taxa recorded within the Study Area are discussed in **Section 5.2.2** with reference to the above categories. Point locations, individuals and populations of significant flora known from the Study Area are also presented in this section. Note that a population in the context of this survey is defined as a discrete group of individuals of a taxon separated by more than 500 m from the nearest discrete group of individuals (DBCA 2017); however, this definition can only be tentatively applied if the intervening 500 m has not been surveyed.

3.9.2 Significant Vegetation

As per EPA (2016a, 2016b), vegetation may be significant for a range of reasons, including, but not limited to the following:

- Being identified as a TEC or PEC (formally listed significant vegetation – includes vegetation listed under Commonwealth or State legislation, or classified as a PEC by DBCA)
- Having restricted distribution
- Having a degree of historical impact from threatening processes
- Playing a role as a refuge
- Providing an important function required to maintain ecological integrity of a significant ecosystem.

To determine the presence of TECs and PECs defined from quadrat-derived data, EPA (2016b) requires comparison of the quadrat data with that of the survey in which the TEC or PEC was originally described. However, limited information is available for TECs and PECs of the Pilbara region. Generally, only broad descriptions are provided in the respective TEC and PEC lists to allow for diagnosis. The vegetation of the Study Area was therefore manually compared to such descriptions to determine whether any vegetation may represent a TEC or PEC; specifically, comparisons of dominant taxa, soils, topography and geographical distribution of VTs were made to those of any relevant TEC or PEC. A similar process was followed for TECs listed under the EPBC Act, with comparisons made to the appropriate listing and conservation advice for any TECs likely to occur in the Study Area.

The remaining significant vegetation criteria other than “being identified as a TEC and PEC” were applied to VTs mapped in the Study Area to determine whether a VT was significant in a local or regional context. However, in a regional context, limited information is available for comparison with VTs in the Study Area. This is discussed further in **Section 5.2.10**.

4.0 Adequacy and Limitations of Survey

4.1 Adequacy of Survey

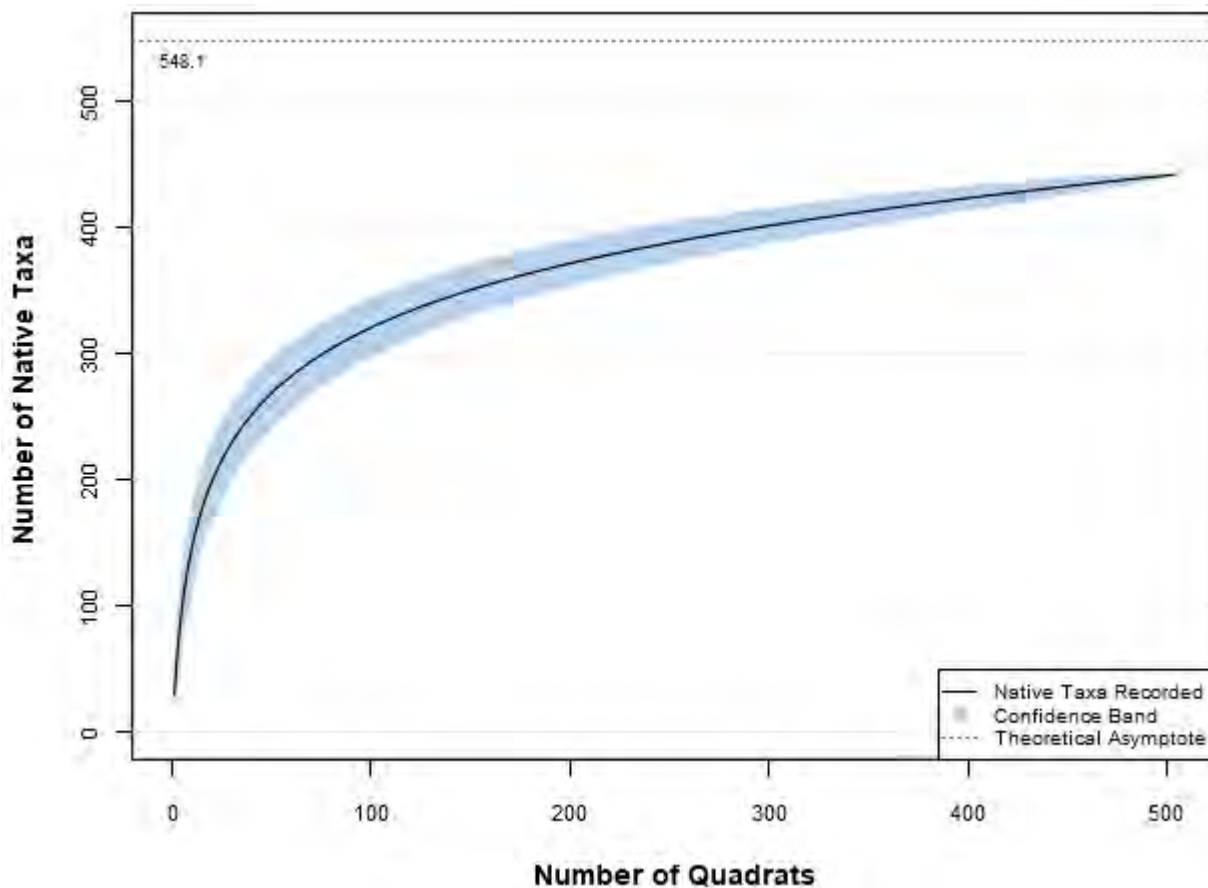
The Study Area covers 24,868 ha, with 504 quadrats established within it during the 2020 and 2021 surveys. Quadrats were established in all preliminary vegetation patterns discernible by initial aerial photograph interpretation (**Sections 3.3** and **3.4**), both to adequately sample variation in vegetation throughout the Study Area, and to ensure adequacy of sampling for vascular plant taxa.

The number of quadrats established in the Study Area is considered to be acceptable given the relatively low diversity of topography and soil types noted in the Study Area, as well as the size of the Study Area (approximately 1 quadrat established per 49 ha of Study Area, and approximately 1 quadrat per 44 ha of mapped native vegetation).

To provide an indication of the adequacy of this survey, a taxon accumulation curve was produced using PC-Ord (McCune and Mefford 2011). Taxon accumulation curves represent a theoretical model of the relationship between sampling intensity and taxon accumulation; when sampling intensity is increased, taxon accumulation is reduced, and a taxon accumulation curve becomes asymptotic.

The taxon accumulation curve for quadrat data from the Study Area was generated using all native taxa (both annual and perennial) recorded within each quadrat. Taxon accumulation calculations for the Study Area were then undertaken via PC-Ord, utilising the Chao-2 estimator for species richness (bias corrected form) (Chao 1987) and compared to the actual number of taxa recorded in the Study Area. This provides an indication as to whether sufficient quadrats were surveyed to adequately sample the species richness in the Study Area. As the generation of taxon accumulation curves includes quadrat data only, and not opportunistically recorded taxa, the indication of adequacy of survey is considered to be conservative.

Graph 4.1 presents the taxon accumulation curve generated from quadrat data from the Study Area. Using the Chao-2 estimator, the recorded number of taxa within quadrats (442 taxa) by the 2020 and 2021 surveys is equivalent to 80.6 % of the estimated species richness in the Study Area (548 estimated to occur). Sampling was therefore considered to be adequate using this estimation measure.



Graph 4.1 Study Area Quadrat Data Taxon Accumulation Curve

Another adequacy of survey measure is that developed by Mueller-Dombois and Ellenberg (1974), who suggest that a cut-off point might be when a 10 % increase in quadrats surveyed results in a $\leq 5\%$ increase in taxa recorded. This measure was also calculated using all native taxa recorded within each quadrat. The number of quadrats established in the Study Area by the 2020 and 2021 surveys satisfies this adequacy measure suggested by Mueller-Dombois and Ellenberg (1974), with the final taxon increase value of 1.87 % recorded following a 10 % increase in quadrats.

4.2 Limitations of Assessment

Table 4.1 presents the limitations of the 2020 and 2021 surveys of the Study Area in accordance with EPA (2016b).

Table 4.1 Limitations of the 2020 and 2021 Flora and Vegetation Surveys of the Study Area

| Limitation | Limitation of Survey | Comment |
|-------------------|----------------------|--|
| Effort and extent | No | <p>A Detailed Survey was undertaken across the entire Study Area in 2020 and 2021 within the most appropriate time to survey in the Pilbara Bioregion. The majority of quadrats were established within six to eight weeks post wet season. It is considered that the survey timing of the 2020 and 2021 surveys is appropriate, as it is likely that most taxa that flower outside the peak flowering season could be identified during the surveys (discussed further below). At least three quadrats were established in each vegetation pattern identified in the Study Area. Mapping of VT boundaries was undertaken using a combination of aerial photography (scale 1:10,000) and information collected during traverses between quadrats and relevés. Field verification of VT boundaries post-analysis was not undertaken. Detailed Survey was conducted over a total of 200 person days in 2020 and 2021.</p> <p>Systematic targeted survey for significant flora taxa identified by the desktop assessment and during quadrat sampling in 2020 was conducted in 2021 across the entire Footprint, as well as within the wider Study Area and surrounds (at local and regional survey sites) within the most appropriate time to survey in the Pilbara Bioregion (within six to eight weeks post wet season). Targeted survey was conducted over a total of 168 person days in 2021. Opportunistic targeted survey for significant flora taxa was also undertaken while traversing the Study Area to establish quadrats and relevés during the 2020 and 2021 surveys. However, targeted survey for four significant flora taxa identified from plant collections made from quadrats sampled in 2021 was not undertaken (<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> (P2), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Kohautia australiensis</i> (P2) and <i>Stylidium weeliwolli</i> (P3)) (see Sections 5.2.3 and 5.2.4).</p> <p>No constraints prevented appropriate sampling techniques (quadrat/relevé establishment, foot transects, population density quadrat establishment) being employed. Some areas were somewhat difficult to reach due to large distances from available access tracks, or steep, rocky or unsafe terrain; however, this is not considered to have affected the results of the Detailed surveys in 2020 or 2021. The most significant access/remoteness issues were overcome with the use of a helicopter during the 2021 survey, allowing high intensity of sampling across the Study Area. Mapping and data reliability is therefore considered to be relatively high.</p> <p>Time and weather-related access constraints prevented complete assessment of regional survey sites 4, A, B and C outside the Study Area (Section 5.2.2). However, survey for significant flora taxa in these areas was for context for EIA only, and therefore this is not considered to be a limitation of the assessment of the Study Area.</p> |

| Limitation | Limitation of Survey | Comment |
|--|----------------------|---|
| Competency / experience of the team carrying out the survey | No | <p>Project Managers have had previous experience (> 5 years) in conducting similar assessments in the Pilbara Region, and conducting systematic sampling and analysis. Other field team leaders have previous experience (> 2 years) in conducting flora and vegetation surveys in the Pilbara Region, and field team personnel have previous experience assisting in flora and vegetation surveys. Senior personnel provided guidance to less experienced botanists throughout the 2020 and 2021 surveys where necessary.</p> <p>Information relating to identifying characteristics, flowering period and habitat of significant flora taxa identified by the desktop assessment as potentially occurring in the Study Area were provided to all field team members prior to undertaking the 2020 and 2021 field surveys.</p> <p>Personnel overseeing plant identifications have had > 10 years' experience in plant identification in the in the Pilbara Region. Relevant taxonomic experts (including botanists at the WA Herbarium) were consulted for any specimens considered to be difficult to identify or of taxonomic interest.</p> |
| Proportion of flora recorded and/or collected and identified | No | <p>All vascular groups that were present in the Study Area were sampled. At least one reference specimen of all taxa encountered (excluding common, distinctive taxa) was collected for verification and identification purposes during the 2020 and 2021 surveys.</p> <p>The 2020 survey was conducted towards the end of the appropriate season for survey in the Pilbara Region (see survey timing and weather/season/cycle below), and as a result, senescence of the majority of ephemeral species was observed during the 2020 survey. It is possible that a small number of particularly fragile taxa (e.g. some grass species) may not have been detectable or identifiable. However, the 2021 survey was conducted earlier in the season and the flowering season was considered to be good, with annual and ephemeral taxa abundant and widely distributed. A high proportion of annual and ephemeral vascular taxa were recorded in 2021 based on the intensity and method of survey and the above-average precipitation received prior to the 2021 survey. Therefore, any taxa that were not identifiable or observable during the 2020 survey were likely captured by the 2021 survey.</p> <p>Almost all ephemeral and perennial flora taxa could be positively identified. All unknown vascular taxa were collected, with specimens identified at the WA Herbarium. Adequacy of survey measures indicate that the Study Area was well sampled.</p> <p>Collections of two entities that appeared to represent <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) but displayed some differences in leaf shape and indumentum were made by the 2020 and 2021 surveys. These entities were treated separately for the purpose of floristic analysis as they were readily distinguished in the field and appeared to occupy different habitats. However, since the analysis was conducted, the WA Herbarium confirmed that both entities are considered to represent <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618). It is considered unlikely that the treatment of these entities separately affected the outcome of the floristic classification (Section 5.2.1).</p> |

| Limitation | Limitation of Survey | Comment |
|---|----------------------|--|
| Sources of information e.g. previously available information (whether historic or recent) as distinct from new data | No | Reasonable contextual information for the Study Area was available prior to the 2020 and 2021 surveys. Sources of information used included government databases (DAWE, DBCA), previous unpublished reports and data from the vicinity of the Study Area (Section 5.1.4), as well as numerous general sources pertaining to the climate, geomorphology, flora and vegetation of the Pilbara Region. Review of BoM climate data for Marble Bar and Telfer Aero revealed a number of gaps in the daily datasets for temperature and precipitation; however, this data was used in an indicative manner only, and therefore this is not considered to be a limitation of this survey. All other data sources used for the desktop assessment were considered to have high reliability. |
| Survey timing and weather/season/cycle | No | <p>The 2020 and 2021 field surveys were conducted within the most appropriate time to survey in the Pilbara Region (approximately six to eight weeks post wet season). Above-average precipitation was received in the six months prior to the 2020 and 2021 surveys (Section 2.1).</p> <p>As discussed above, the 2020 survey was conducted towards the end of the appropriate season for survey in the Pilbara Region; however, the 2021 survey was conducted earlier in the season and the flowering season was considered to be good, with annual and ephemeral taxa abundant and widely distributed and many perennial taxa in flower. All perennial taxa were at least in good condition.</p> <p>All significant flora taxa known to occur or potentially occurring in the Study Area based on the desktop assessment results were considered to be identifiable during the 2021 survey.</p> |
| Disturbances (e.g. fire, flood, accidental human intervention etc.) that may have affected results of survey | No | <p>Small portions of the Study Area had been affected by a recent fire (less than two years ago). This resulted in some difficulty identifying taxa in these areas during the 2020 survey (survey time within one year of the fire); however, with vegetation regeneration and flora maturation between the 2020 and 2021 surveys, areas affected by this fire were able to be adequately surveyed during the 2021 survey (survey time within two years of the fire).</p> <p>It is considered that the recent fire did not affect the detectability or identifiability of any target significant flora taxa, as many of these taxa had already matured, and likely did so in the first year following fire. In many cases, the abundance of target taxa was significantly higher in burnt areas compared to unburnt areas.</p> <p>Another area within the Study Area had been burnt less than five to six years ago, however taxa were sufficiently mature to be identified and therefore this did not affect the results of the 2020 or 2021 surveys significantly.</p> |

| Limitation | Limitation of Survey | Comment |
|---------------------------------------|----------------------|--|
| Remoteness and/or access restrictions | Partial | <p>Some areas were somewhat difficult to reach due to large distances from available access tracks, or steep, rocky or unsafe terrain; however, this is not considered to have affected the results of the Detailed surveys in 2020 or 2021. The most significant access/remoteness issues were overcome with the use of a helicopter during the 2021 survey, allowing high intensity of sampling across the Study Area.</p> <p>Access was not permitted to a number of relatively small areas that have been identified as Indigenous Australian Heritage Sites, both within the Footprint and in the wider Study Area. Therefore, such sites, in particular those within the Footprint, could not be surveyed for significant flora taxa. Such sites could also not be directly sampled in a vegetation context; however, most sites were relatively small and the vegetation could be observed from outside the site, and therefore it is considered that this did not affect the results of the Detailed surveys.</p> <p>Rainfall received immediately prior to and during the 2021 Targeted Survey resulted in some tracks within the Study Area and those accessing regional survey sites not being accessible. Access to and searching within some of the regional survey sites was therefore not possible.</p> |

5.0 Results

5.1 Desktop Assessment

5.1.1 Regional Significant Flora

The interrogation of the DBCA WA Herbarium (WA Herb) specimen database and TPFL database (DBCA 2020b) returned a total of 10 listed significant vascular flora taxa that have records in the Desktop Study Area. All are DBCA-classified Priority flora (**Table 5.1**). None of the taxa returned from the DBCA database searches are listed as Threatened under the EPBC Act or BC Act.

Two taxa returned from the DBCA WA Herbarium and TPFL database interrogations have records within the Footprint (*Euphorbia clementii* (P3) and *Lepidium amelum* (P1), shaded in blue in **Table 5.1**). None of the remaining taxa are known to occur within the Study Area.

A search of these databases using *NatureMap* (DBCA 2007-) was also undertaken as part of the desktop assessment, to check for any recently added records and confirm the records returned from the DBCA WA Herbarium specimen database and TPFL database search. As per **Table 3.1**, the database was initially interrogated prior to the 2020 survey, with the results updated in 2021. The *NatureMap* searches did not return any additional listed significant flora taxa.

Conservation codes for listed taxa are presented in **Appendix C** (DBCA 2019c).

Table 5.1 Listed Significant Flora Taxa Returned from DBCA Database Searches (DBCA 2007-, 2020b)

| Taxon | Status (WA) | Source | | |
|--|-------------|---------|------|------------------|
| | | WA Herb | TPFL | <i>NatureMap</i> |
| <i>Acacia fecunda</i> | P1 | x | x | x |
| <i>Dampiera atriplicina</i> | P3 | x | x | x |
| <i>Eragrostis lanicaulis</i> | P3 | x | | x |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | x | | x |
| <i>Euphorbia clementii</i> | P3 | x | x | x |
| <i>Goodenia hartiana</i> | P2 | x | x | x |
| <i>Goodenia pedicellata</i> | P1 | x | x | x |
| <i>Indigofera ammobia</i> | P3 | x | | x |
| <i>Lepidium amelum</i> | P1 | x | x | x |
| <i>Sauropus arenosus</i> | P3 | x | | |

The interrogation of the DAWE SPRAT database (DAWE 2020, 2021a) with regard to MNES listed under the EPBC Act did not identify any flora taxa listed as Threatened Species under the EPBC Act, or habitat for such species, that are known, are likely to, or may occur within the Desktop Study Area. The full results of the DAWE database searches conducted prior to the 2020 survey and repeated in 2021 are presented in **Appendix D**.

5.1.2 Regional Introduced Flora

A search of the WA Herbarium specimen database for records of introduced flora taxa within the Desktop Study Area was performed using *NatureMap* (DBCA 2007-) using the same search parameters as for the *NatureMap* significant flora search. A total of 12 introduced taxa that have records within the vicinity (40 km) of the Study Area were returned, as outlined below. None of these taxa are Declared Pests listed under the BAM Act (DPIRD 2021b) or WoNS listed under the EPBC Act (AWC 2021):

- **Aerva javanica*
- **Argemone ochroleuca* subsp. *ochroleuca*
- **Cenchrus ciliaris*
- **Cenchrus setiger*
- **Citrullus colocynthis*
- **Cynodon dactylon*
- **Diplachne fusca* subsp. *uninervia*
- **Malvastrum americanum*
- **Passiflora foetida* var. *hispida*
- **Portulaca pilosa*
- **Rumex vesicarius*
- **Vachellia farnesiana*.

The search of the DAWE SPRAT database with regard to MNES listed under the EPBC Act identified one significant invasive introduced flora taxon, or habitat for this taxon, as likely to occur within the Desktop Study Area, being **Cenchrus ciliaris* (Buffel Grass) (DAWE 2020, 2021a). **Cenchrus ciliaris* is known to be widespread and common in the Pilbara (WA Herbarium 1998-). This taxon is considered by the States and Territories to pose a particularly significant threat to biodiversity as it is known to be invasive under certain conditions (Hussey *et al.* 2007). This taxon is not listed as a Declared Pest under the BAM Act (DPIRD 2021b). The full results of the DAWE database searches conducted in 2020 and 2021 are presented in **Appendix D**.

5.1.3 Regional Vegetation

As previously mentioned, the Study Area is located in the Pilbara IBRA Bioregion, specifically within the Abydos Plain (Beard 1975). Of the four main associations described on the Abydos Plain, shrub steppe is predominant in the Study Area (Beard 1975). This is the main community of the granite plain and is dominated by *Acacia inaequilatera* - *Triodia epactia* associations, with hummock grasses and widely-spaced shrubs.

The Study Area occurs within the eastern extent of the Chichester Subregion of the Pilbara IBRA Bioregion near the junction with the Mackay IBRA Subregion (Great Sandy Desert Bioregion) and Trainor IBRA

Subregion (Little Sandy Desert Bioregion) (Commonwealth of Australia 2012). The Chichester Subregion is comprised of undulating Archaean granite and basalt plains with significant areas of basaltic ranges. Plains support a shrub steppe characterised by *Acacia inaequilatera* over *Triodia wiseana* hummock grasslands, while *Eucalyptus leucophloia* tree steppes occur on ranges. Grazing of native pastures by stock and mining activity are the main impacts on biodiversity within the region (Kendrick and McKenzie 2001).

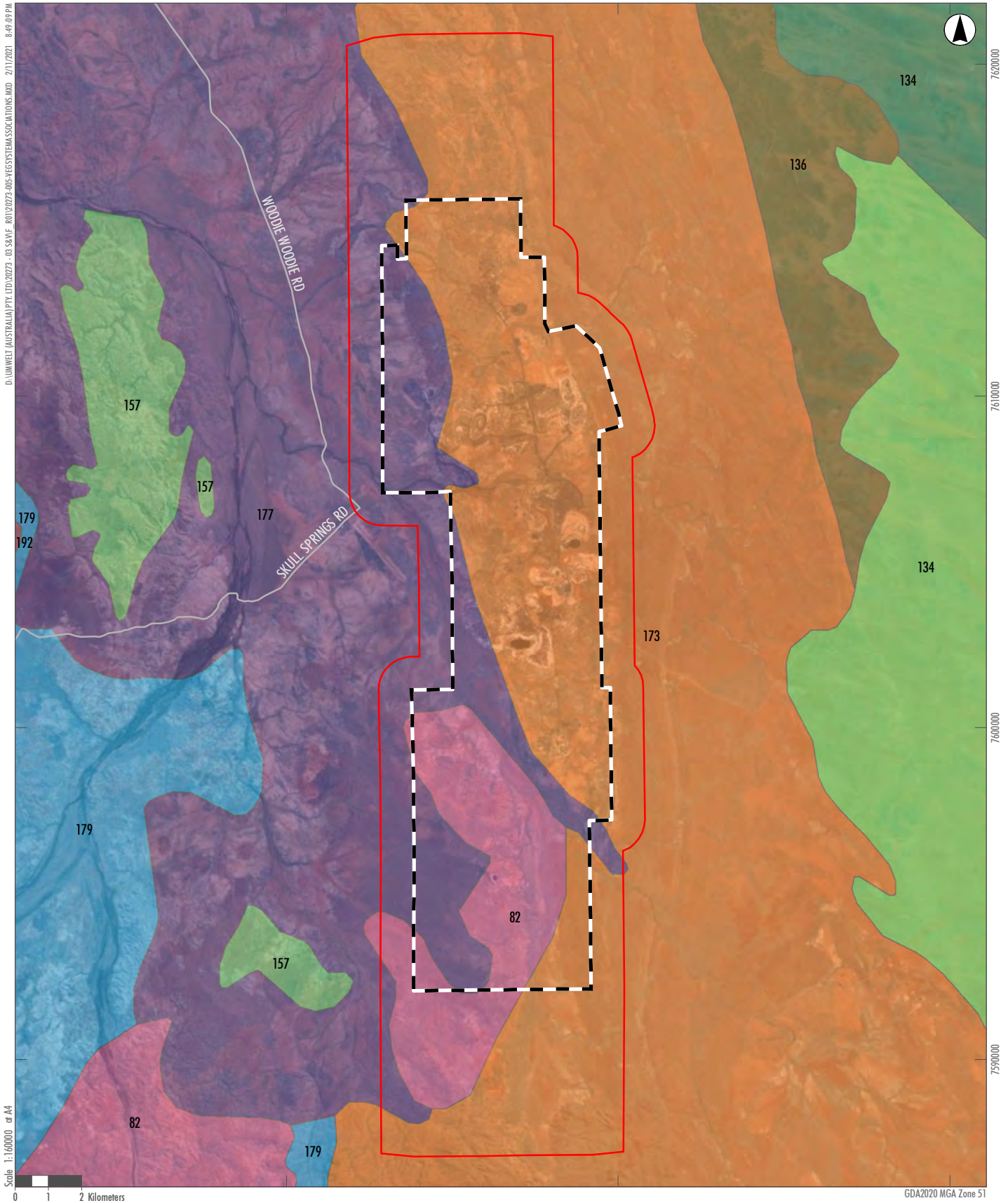
Less than 15 km from the Study Area is the junction with the Mackay and Trainor IBRA subregions; the Mackay Subregion consists mainly of tree steppe grading to shrub steppe in the south, comprising open hummock grassland of *Triodia pungens* and *Triodia schinzii* with scattered trees of *Owenia reticulata* and bloodwood (*Corymbia* spp.) and shrubs of *Acacia* spp., *Grevillea wickhamii* and *Grevillea refracta* on Quaternary red longitudinal sand dune fields overlying Jurassic and Cretaceous sandstones of the Canning and Armadeus Basins. *Allocasuarina decaisneana* (Desert Oak) occurs in the south and east of the region. Gently undulating lateritised uplands support shrub steppe such as *Acacia pachycarpa* shrublands over *Triodia pungens* hummock grass. Calcrete and evaporite surfaces are associated with occluded palaeo-drainage systems that traverse the desert; these include extensive salt lake chains with samphire low shrublands, and *Melaleuca glomerata* - *Melaleuca lasiandra* shrublands (Kendrick 2001). The Trainor Subregion consists of shrub steppe of acacias, *Aluta maisonneuvei* and grevilleas over *Triodia schinzii* on sandy surfaces; sparse shrub-steppe over *Triodia basedowii* on stony hills; and eucalypt and coolibah communities and bunch grasslands on alluvial deposits and drainage lines associated with ranges (Cowan and Kendrick 2001).

The vegetation of WA as it was presumed to have existed prior to European settlement has been mapped at a scale of 1:250,000 as vegetation system associations (VSAs), with the Pre-European Vegetation spatial database created (Beard *et al.* 2013) (DPIRD 2021a). Three vegetation system associations occur in the Study Area as summarised in **Table 5.2** and presented on **Figure 5.1**. **Table 5.2** also presents the current extent of each VSA in relation to its pre-European extent and the percentage of the current extent of each VSA currently protected for conservation (GoWA 2019). Note that as per GoWA (2019), protected areas in this context are considered to be any areas within International Union for Conservation of Nature (IUCN) categories I to IV.

All three VSAs that occur within the Study Area have over 99 % of their pre-European extent remaining. However, none of the VSAs have any area reserved for conservation in the subregion (GoWA 2019) (**Table 5.2**).

Table 5.2 Vegetation System Associations of the Study Area (GoWA 2019)

| Vegetation System Association | Description | Mapped Extent in Study Area (ha) | Current Extent (ha) | Pre-European Extent Remaining (%) | Current Extent Protected for Conservation (%) |
|-----------------------------------|---|----------------------------------|---------------------|-----------------------------------|---|
| Abydos Plain - Chichester_82 | Hummock grassland with scattered bloodwoods & snappy gum; <i>Triodia</i> spp., <i>Corymbia dichromophloia</i> , <i>Eucalyptus leucophloia</i> | 3,525 | 15,790 | 99.89 | 0 |
| Abydos Plain - Chichester_17 3 | Hummock grassland with scattered shrubs or mallee; <i>Triodia</i> spp., <i>Acacia</i> spp., <i>Grevillea</i> spp., <i>Eucalyptus</i> spp. | 14,626 | 618,398 | 99.39 | 0 |
| Abydos Plain - Chichester_17 7 | Hummock grassland with sparse shrubs; <i>Triodia</i> spp., <i>Acacia</i> spp. | 6,717 | 169,141 | 99.82 | 0 |



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Legend

- Study Area
 - Development Envelope
 - Roads
- | Vegetation System Association | |
|--|-------------------------------|
| | ABYDOS PLAIN - CHICHESTER_82 |
| | ABYDOS PLAIN - CHICHESTER_136 |
| | ABYDOS PLAIN - CHICHESTER_157 |
| | ABYDOS PLAIN - CHICHESTER_173 |
| | ABYDOS PLAIN - CHICHESTER_177 |
| | ABYDOS PLAIN - CHICHESTER_179 |
| | ABYDOS PLAIN - CHICHESTER_192 |
| | GREAT SANDY DESERT_134 |
| | LITTLE SANDY DESERT_134 |

FIGURE 5.1

Vegetation System Associations of the Study Area

In 2004, the Department of Agriculture described land systems (now referred to as soil landscape units) within the Pilbara IBRA Bioregion, considering general ecological information, vegetation physiognomy and composition, patterns of variation, conservation status, gradational association and land system representation (van Vreeswyk *et al.* 2004). A total of seven soil landscape units occur within the Study Area as summarised in **Table 5.3** and presented on **Figure 5.2** (DPIRD 2018, van Vreeswyk *et al.* 2004). None of these soil landscape units are listed as TECs under the EPBC Act (DAWE 2021b) or as TECs or PECs under the BC Act (DBCA 2018, 2020a).

Table 5.3 Soil Landscape Units of the Study Area (DPIRD 2018, van Vreeswyk *et al.* 2004)

| Unit | Description | Mapped Extent in Study Area (ha) |
|-----------------|---|----------------------------------|
| 287Bl Billygoat | Dissected plains and slopes supporting hard spinifex grasslands | 1,970 |
| 287Cg Coongimah | Plateau surfaces, low hills with steep slopes and undulating uplands supporting hard spinifex grasslands | 12,654 |
| 287Mk McKay | Hills, ridges, plateaux remnants and breakaways of meta-sedimentary and sedimentary rocks supporting hard spinifex grasslands | 1,109 |
| 287Ok Oakover | Breakaways, mesas, plateaux and stony plains of calcrete supporting hard spinifex grasslands | 983 |
| 287Pt Paterson | Stony and sandy plains with isolated low hills of sandstone or conglomerate supporting hard spinifex (and occasionally soft spinifex) grasslands and minor tussock grasslands | 3,184 |
| 287Rk Rocklea | Basalt hills, plateaux, lower slopes and minor stony plains supporting hard spinifex (and occasionally soft spinifex) grasslands | 4,738 |
| 287CgX_MIN Mine | Disturbed area, mines, mullock dumps etc. | 230 |

The Billygoat, Oakover and Paterson soil landscape units are largely represented by VSA Abydos Plain – Chichester_177, corresponding to mesas, breakaways and stony plains with spinifex grasslands. The Coongimah, McKay and Rocklea soil landscape units are largely represented by VSAs Abydos Plain – Chichester_82 and Abydos Plain – Chichester_173, corresponding primarily to hills and ranges with spinifex grasslands (**Figure 5.1** and **Figure 5.2**).

The interrogation of the DBCA TEC and PEC database (DBCA 2020a, as per **Section 3.1**) and assessment of the DBCA *NatureMap* database (DBCA 2007-) did not identify any TECs or PECs known to occur within the Desktop Study Area. A review of current DBCA TEC and PEC (DBCA 2018, 2021) lists similarly did not identify any significant vegetation communities that have the potential to occur within the Desktop Study Area. The closest significant vegetation record to the Study Area is an occurrence of the ‘Stony saline clay plains of the Mosquito Land System’ PEC (P3, DBCA-classified), located approximately 48 km to the west of the Study Area (DBCA 2007-).

The search of the DAWE SPRAT database with regard to MNES listed under the EPBC Act (DAWE 2020, 2021a) did not identify any TECs as occurring or potentially occurring within the vicinity of the Study Area (**Appendix D**).

Appendix E presents definitions, categories and criteria for TECs and PECs (DBCA 2013).

5.1.4 Local Flora and Vegetation Surveys

Flora and vegetation surveys undertaken within the vicinity of the Study Area that are relevant to the Project are summarised in **Table 5.4**. The locations of relevant surveys undertaken in the vicinity of the Study Area are shown on **Figure 5.3** (subject to the availability of survey boundary files).

Note that the introduced flora taxon **Citrullus lanatus* has been previously recorded by Mattiske (2019a) and MBS (2010a); however, recent molecular phylogenetics research has identified that this taxon name has been misapplied against the name **Citrullus amarus* (Chomicki and Renner 2015). Therefore, all references to **Citrullus lanatus* in **Table 5.4** and elsewhere in this report follow the current nomenclature (i.e. **Citrullus amarus*), as per *Florabase* (WA Herbarium 1998-) (**Section 3.5**).

Table 5.4 Summary of Results of Flora and Vegetation Surveys Previously Conducted Within and in the Vicinity of the Study Area

| Project, Author and Source | Survey Location | Survey Timing | Scope and Parameters of Survey | Number of Taxa Recorded | Vegetation | Significant Flora Taxa^ | Introduced Taxa^ |
|--|--|-----------------|--|-------------------------|---|---|------------------|
| Flora and vegetation survey of tenement M46/513 Warri Warri Creek, Woodie Woodie – Matiske Consulting Pty Ltd (Matiske 2007a) | Overlaps Study Area and Development Envelope. Tenement E46/513 | May – June 2007 | Detailed Flora and Vegetation Survey. 37 quadrats assessed | - | 7 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |
| Flora and vegetation survey of tenement M45/429 (including Sat/Nav and Radio Hill deposits), Woodie Woodie – Matiske Consulting Pty Ltd (Matiske 2007b) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M45/429 | May – June 2007 | Detailed Flora and Vegetation Survey. 18 quadrats assessed | - | 8 VTs described and mapped. No TECs or PECs identified | 1 taxon recorded: <ul style="list-style-type: none"> <i>Aristida jerichoensis</i> var. <i>subspinulifera</i> (P3) | - |
| Flora and vegetation survey of tenement M45/430 (including Big Mac, Ghost Hunter, Sardine, Topvar and Whodowe prospects), Woodie Woodie – Matiske Consulting Pty Ltd (Matiske 2007c) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M45/430 | May – June 2007 | Detailed Flora and Vegetation Survey. 35 quadrats assessed | - | 9 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |
| Flora and vegetation survey of the Eat tenement, Woodie Woodie – Matiske Consulting Pty Ltd (Matiske 2007d) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M45/431 | May 2007 | Detailed Flora and Vegetation Survey. 14 quadrats assessed | - | 10 VTs described and mapped. No TECs or PECs identified | 1 taxon recorded: <ul style="list-style-type: none"> <i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) (P3) | - |

| Project, Author and Source | Survey Location | Survey Timing | Scope and Parameters of Survey | Number of Taxa Recorded | Vegetation | Significant Flora Taxa^ | Introduced Taxa^ |
|--|--|------------------|--|-------------------------|--|--|------------------|
| Flora and Vegetation Survey of Tenement M45/433 (including Chutney West Deposit), Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2007e) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M45/433 | May 2007 | Detailed Flora and Vegetation Survey. 10 quadrats assessed | - | 6 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |
| Flora and vegetation survey of the tenement M45/638 (including Camp East, Paystar and Vespa prospects), Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2007f) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M45/638 | May 2007 | Detailed Flora and Vegetation Survey. 41 quadrats assessed | - | 9 VTs described and mapped. No TECs or PECs identified | 1 taxon recorded: <ul style="list-style-type: none"> <i>Aristida jerichoensis</i> var. <i>subspinulifera</i> (P3) | - |
| Flora and vegetation survey of the tenement M46/93 (including Kia deposit), Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2007g) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M46/93 | May – June 2007 | Detailed Flora and Vegetation Survey. 12 quadrats assessed | - | 6 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |
| Flora and vegetation survey of tenement M46/435 (including the Gulch Prospect), Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2007h) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M46/435 | March – May 2007 | Detailed Flora and Vegetation Survey. 21 quadrats assessed | - | 5 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |

| Project, Author and Source | Survey Location | Survey Timing | Scope and Parameters of Survey | Number of Taxa Recorded | Vegetation | Significant Flora Taxa^ | Introduced Taxa^ |
|---|---|---------------|--|-------------------------|--|---|------------------|
| Flora and vegetation survey of tenements M45/432, M45/517 and M45/637 (including Area 1 prospect), Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2008a) | Within Study Area and Development Envelope, intersected by Footprint. Tenements M45/432, M45/517 and M45/637 | April 2008 | Detailed Flora and Vegetation Survey. 17 quadrats assessed | - | 9 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |
| Flora and vegetation survey of Fault North tenement - M45/383 (Part), Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2008b) | Within Study Area and Development Envelope, intersected by Footprint. Tenement M46/383 | October 2008 | Detailed Flora and Vegetation Survey. 8 quadrats assessed | - | 5 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |
| Flora and vegetation survey of Greensnake tenements M45/637, M45/107, M46/108, M46/92, M46/137, M46/162 & M46/161, Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2008c) | Within Study Area and Development Envelope, intersected by Footprint. Tenements M45/637, M45/107, M46/108, M46/92, M46/137, M46/162 and M46/161 | October 2008 | Detailed Flora and Vegetation Survey. 37 quadrats assessed | - | 8 VTs described and mapped. No TECs or PECs identified | 1 taxon recorded: <ul style="list-style-type: none"> <i>Lepidium amelum</i> (P1) | - |

| Project, Author and Source | Survey Location | Survey Timing | Scope and Parameters of Survey | Number of Taxa Recorded | Vegetation | Significant Flora Taxa^ | Introduced Taxa^ |
|--|--|--------------------------|---|---|--|--|--|
| An updated Flora and vegetation survey of Chris D tenements M45/639, G45/279, G45/280, G45/281, G45/282, G45/283 and G45/284, Woodie Woodie – Mattiske Consulting Pty Ltd (Mattiske 2008d) | Within Study Area and Development Envelope, intersected by Footprint. Tenements M45/639, G45/279, G45/280, G45/281, G45/282, G45/283 and G45/284 | April 2008, October 2008 | Detailed Flora and Vegetation Survey. 20 quadrats assessed | - | 8 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | - |
| Site Wide Flora and Vegetation Report: Woodie Woodie Manganese Operations – MBS Environmental Pty Ltd (MBS 2010a) | Overlaps Study Area and Development Envelope, intersected by Footprint | NA | Desktop review and compilation of 18 previous flora and vegetation surveys across the Woodie Woodie tenements between 1994 and 2010 | 335 taxa; 136 genera; 48 families | 17 VTs described and mapped. No TECs or PECs identified | 4 taxa recorded: <ul style="list-style-type: none"> <i>Aristida jerichoensis</i> var. <i>subspinulifera</i> (P3) <i>Euphorbia clementii</i> (P3) <i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) (P3) <i>Lepidium amelum</i> (P1) | 10 taxa recorded: <ul style="list-style-type: none"> *<i>Aerva javanica</i> *<i>Cenchrus ciliaris</i> *<i>Chloris barbata</i> *<i>Citrullus amarus</i> *<i>Cynodon dactylon</i> *<i>Datura leichhardtii</i> *<i>Flaveria trinervia</i> *<i>Malvastrum americanum</i> *<i>Portulaca oleracea</i> *<i>Vachellia farnesiana</i> |
| Flora and Vegetation of the Woodie Woodie South and Max Prospects – Mattiske Consulting Pty Ltd (Mattiske 2013) | - | - | - | - | - | - | - |

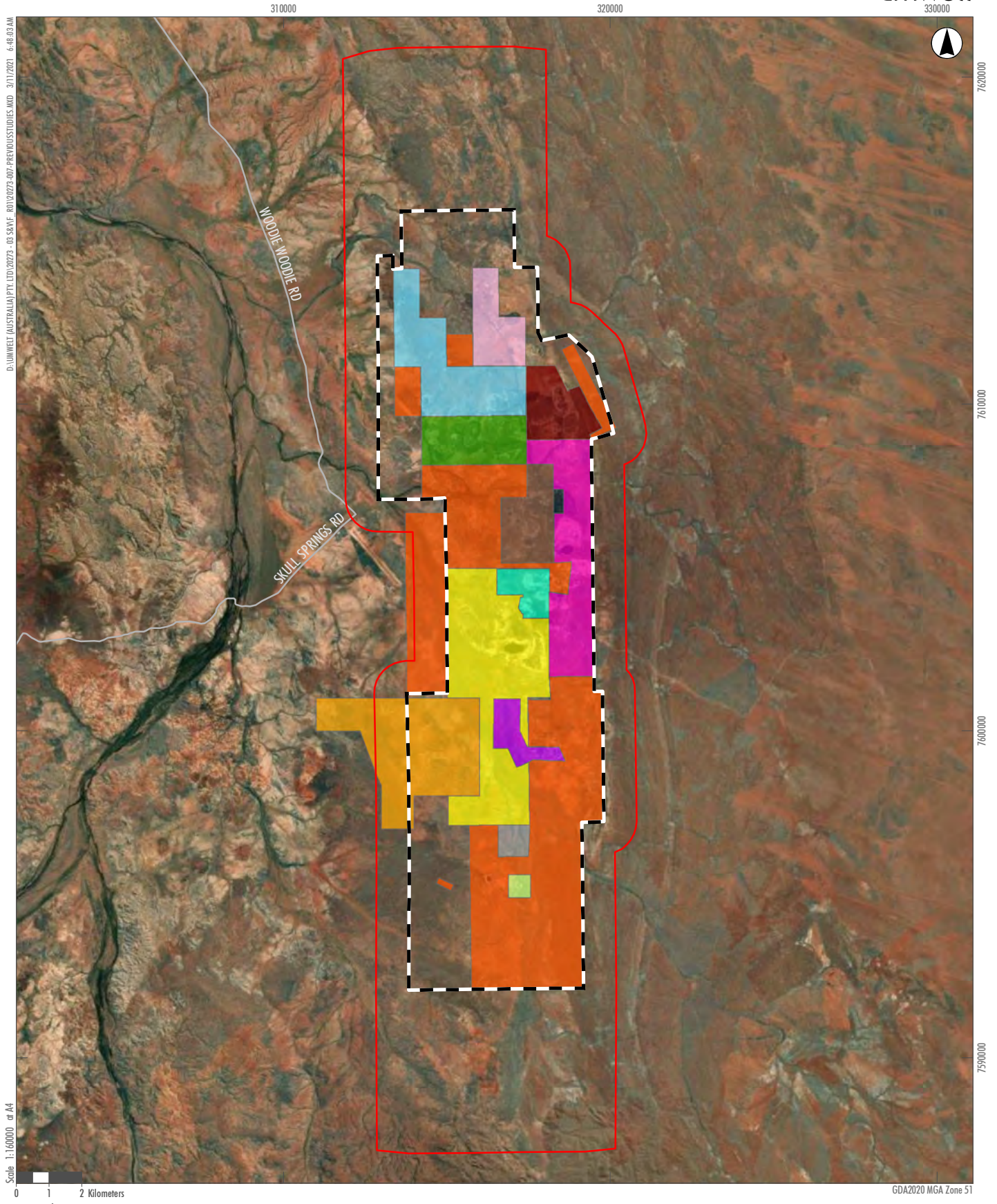
| Project, Author and Source | Survey Location | Survey Timing | Scope and Parameters of Survey | Number of Taxa Recorded | Vegetation | Significant Flora Taxa^ | Introduced Taxa^ |
|--|--|--------------------|---|-----------------------------------|---|------------------------------------|--|
| Detailed Flora & Vegetation Assessment: Woodie Woodie Project Expansion Areas – Mattiske Consulting Pty Ltd (Mattiske 2019a) | Within Study Area and Development Envelope, intersected by Footprint. Tenements M45/641, M45/602, M45/1115, M45/640, M45/639, M45/1218, E45/4991, P46/1870 and M46/150 | June 2018 | Detailed Flora and Vegetation Survey. 73 quadrats assessed over 806.3 ha | 188 taxa; 102 genera; 38 families | 15 VTs described and mapped. No TECs or PECs identified | No significant flora taxa recorded | 7 taxa recorded: <ul style="list-style-type: none"> *<i>Aerva javanica</i> *<i>Calotropis procera</i> (Declared Pest) *<i>Cenchrus ciliaris</i> *<i>Citrullus amarus</i> *<i>Malvastrum americanum</i> *<i>Sonchus oleraceus</i> *<i>Vachellia farnesiana</i> |
| Flora Species Recorded in the Creeklines of Particular Significance to Local Aboriginal People, Radio Hill Creek, Eastern Pilbara – Mattiske Consulting Pty Ltd (Mattiske 2019b) | No specific location provided ('Radio Hill Creek areas') but likely within Study Area and Development Envelope, potentially intersected by Footprint | June – August 2019 | Groundwater dependent vegetation health monitoring. 3 quadrats ('vegetation mapping sites') and 1 monitoring transect measuring 100 m x 10 m assessed | 54 taxa; 44 genera; 26 families | Vegetation not classified into VTs | No significant flora taxa recorded | 5 taxa recorded: <ul style="list-style-type: none"> *<i>Aerva javanica</i> *<i>Cenchrus ciliaris</i> *<i>Citrullus amarus</i> *<i>Datura leichhardtii</i> *<i>Passiflora foetida</i> |

| Project, Author and Source | Survey Location | Survey Timing | Scope and Parameters of Survey | Number of Taxa Recorded | Vegetation | Significant Flora Taxa^ | Introduced Taxa^ |
|--|---|---------------|---|-----------------------------------|---|---|---|
| Flora and Vegetation Assessment: Woodie Woodie Minesite Expansion – Mattiske Consulting Pty Ltd (Mattiske 2019c) | Within Study Area and Development Envelope, intersected by Footprint. Tenements M45/640-I, M45/1218-I, E45/2470-I, M45/600-I, M45/637-I, G45/40, M45/601-I, E45/3548, G46/5, G46/4, M46/162-I, M46/150-I, M46/383-I and M46/384-I | June 2019 | Detailed Flora and Vegetation Survey. 245 quadrats assessed over 4323 ha | 276 taxa; 116 genera; 43 families | 15 VTs described and mapped. No TECs or PECs identified | 1 taxon recorded: <ul style="list-style-type: none"> <i>Euphorbia clementii</i> (P3) | 11 taxa recorded: <ul style="list-style-type: none"> *<i>Aerva javanica</i> *<i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> *<i>Calotropis procera</i> (Declared Pest) *<i>Cenchrus ciliaris</i> *<i>Cenchrus setiger</i> *<i>Citrullus amarus</i> *<i>Datura leichhardtii</i> *<i>Echinochloa colona</i> *<i>Flaveria trinervia</i> *<i>Malvastrum americanum</i> *<i>Vachellia farnesiana</i> |
| Flora and Vegetation Assessment: Woodie Woodie Minesite Expansion - Groundwater Dependent Ecosystems Survey – Mattiske Consulting Pty Ltd (Mattiske 2019d) | Within Study Area and Development Envelope, intersected by Footprint. Tenements M45/640-I, M45/1218-I, E45/2470-I, M45/600-I, M45/637-I, G45/40, M45/601-I, E45/3548, G46/5, G46/4, M46/162-I, M46/150-I, M46/383-I and M46/384-I | August 2019 | Baseline vegetation health assessment of GDEs 12 transects measuring 100 m x 10 m in potential GDE areas assessed | 103 taxa; 74 genera; 37 families | Vegetation not classified into VTs | No significant flora taxa recorded | 10 taxa recorded: <ul style="list-style-type: none"> *<i>Aerva javanica</i> *<i>Argemone ochroleuca</i> *<i>Cenchrus ciliaris</i> *<i>Citrullus amarus</i> *<i>Cynodon dactylon</i> *<i>Datura leichhardtii</i> *<i>Echinochloa colona</i> *<i>Malvastrum americanum</i> *<i>Passiflora foetida</i> *<i>Vachellia farnesiana</i> |

| Project, Author and Source | Survey Location | Survey Timing | Scope and Parameters of Survey | Number of Taxa Recorded | Vegetation | Significant Flora Taxa [^] | Introduced Taxa [^] |
|--|--|---------------|--|-----------------------------------|------------------------------------|--|--|
| Flora and Vegetation Survey Gap Analysis: Woodie Woodie Mine – Mattiske Consulting Pty Ltd (Mattiske 2020) | Overlaps Study Area and Development Envelope, intersected by Footprint | NA | Compilation of 18 previous flora and vegetation surveys across the Woodie Woodie tenements between 2007 and 2019 | 471 taxa; 150 genera; 56 families | 25 VTs; no TECs or PECs identified | 4 taxa recorded: <ul style="list-style-type: none"> • <i>Aristida jerichoensis</i> var. <i>subspinulifera</i> (P3) • <i>Euphorbia clementii</i> (P3) • <i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) (P3) • <i>Lepidium amelum</i> (P1) | 12 taxa recorded: <ul style="list-style-type: none"> • *<i>Aerva javanica</i> • *<i>Calotropis procera</i> (Declared Pest) • *<i>Cenchrus ciliaris</i> • *<i>Chloris barbata</i> • *<i>Chloris virgata</i> • *<i>Citrullus amarus</i> • *<i>Cynodon dactylon</i> • *<i>Datura leichhardtii</i> • *<i>Flaveria trinervia</i> • *<i>Malvastrum americanum</i> • *<i>Sonchus oleraceus</i> • *<i>Vachellia farnesiana</i> |

[^] Significant flora and introduced flora as per current *Florabase* listing (WA Herbarium 1998-).

- Data not available.



Legend

- Study Area
 - Development Envelope
 - Roads
- Previous Survey**
- | | |
|--|--|
| <ul style="list-style-type: none"> Mattiske (2007a) Mattiske (2007b) Mattiske (2007c) Mattiske (2007d) | <ul style="list-style-type: none"> Mattiske (2007e) Mattiske (2007f) Mattiske (2007g) Mattiske (2007h) Mattiske (2008a) Mattiske (2008b) Mattiske (2008c) Mattiske (2008d) Mattiske (2019c) |
|--|--|

FIGURE 5.3

Flora and Vegetation Surveys
Previously Conducted Within and in
the Vicinity of the Study Area

5.1.5 Summary of Significant Flora

Table 5.5 presents a summary of listed significant flora taxa known from within the Desktop Study Area. This list has been compiled from the results of searches of DBCA's TPFL and WA Herbarium databases (**Section 5.1.1**) and the results of local surveys (**Section 5.1.4**). **Table 5.5** also presents the known flowering period and habitat for each taxon (WA Herbarium 1998-).

A total of 12 listed significant flora taxa are known from within the Desktop Study Area. These are all DBCA-classified Priority flora, with no Threatened flora listed under the EPBC Act or BC Act returned (**Table 5.5**). The locations of these taxa are presented on **Figure 5.4** (subject to the availability of spatial data in the case of records from previous local surveys). Two taxa have records within the Footprint (shaded in blue in **Table 5.5**) and an additional two taxa have records within the wider Study Area (shaded in grey in **Table 5.5**).

Table 5.5 Threatened and Priority Listed Flora Taxa Known from Within the Desktop Study Area

| Taxon | Status (WA) | Source* | Flowering Period (WA Herbarium 1998-) | Habitat (WA Herbarium 1998-) |
|--|-------------|---|---------------------------------------|--|
| <i>Acacia fecunda</i> | P1 | DBCA <i>NatureMap</i> | April to May, August | Red-brown sandy loam or grey clay, sometimes with granite or colluvium. Crests, slopes and drainage lines |
| <i>Aristida jerichoensis</i> var. <i>subspinulifera</i> | P3 | Mattiske MBS | March to July | Red, orange or brown clay loam, sometimes with ironstone. Slopes, plains, clay plans and cracking clay flats |
| <i>Dampiera atriplicina</i> | P3 | DBCA <i>NatureMap</i> | July to September | Red or brown sand. Sand dunes and plains |
| <i>Eragrostis lanicaulis</i> | P3 | DBCA <i>NatureMap</i> | March to May, September | Red or grey sand or sandy clay. Gullies, sandplains, clay flats and edges of salt lakes |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | DBCA <i>NatureMap</i> | April to September | Red sandy clay with quartz or shale. Slopes, gullies, undulating plains and flats |
| <i>Euphorbia clementii</i> | P3 | DBCA Mattiske MBS <i>NatureMap</i> | May to June | Red-brown clay loam. Rocky slopes and plains |
| <i>Goodenia hartiana</i> | P2 | DBCA <i>NatureMap</i> | May to September | Red sand. Sand dunes and swales |
| <i>Goodenia pedicellata</i> | P1 | DBCA <i>NatureMap</i> | April to July | Brown clay loam with calcrete. Low rises and plains |
| <i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) | P3 | Mattiske MBS | March to October | Orange or brown clay or loam with calcrete. Slopes, plains and drainage lines |
| <i>Indigofera ammobia</i> | P3 | DBCA <i>NatureMap</i> | March to October | Red or brown sand. Sand dunes and plains |
| <i>Lepidium amelum</i> | P1 | DBCA Mattiske MBS <i>NatureMap</i> | June to August | White or grey sandy clay with calcrete. Slopes and undulating plains |
| <i>Sauropus arenosus</i> | P3 | DBCA | May to September | Red-brown sand. Sand dunes |

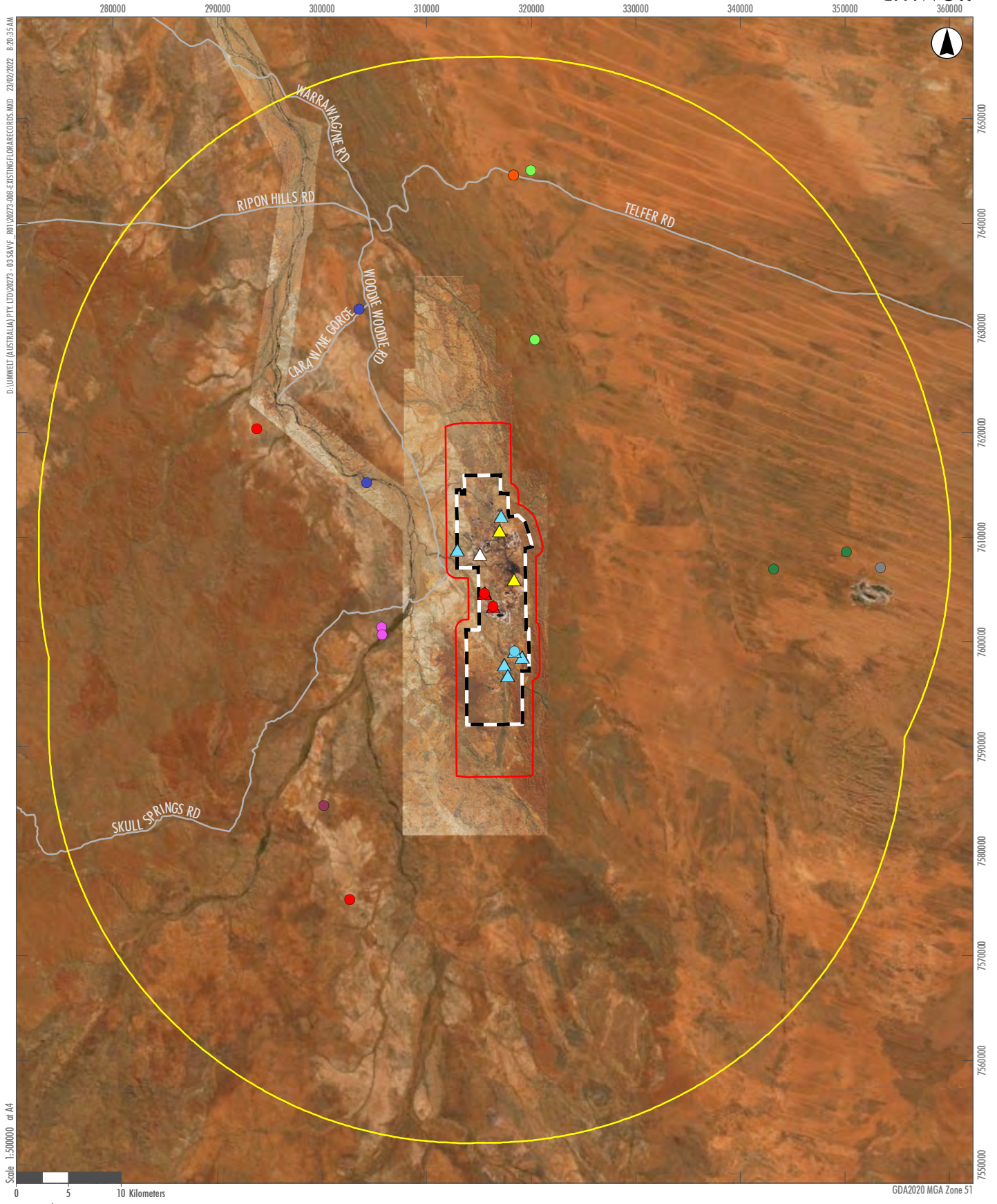
* Sources are:

DBCA – DBCA (2020b)

Mattiske – Mattiske (2007b, 2007d, 2007f, 2008c, 2019c, 2020)

MBS – MBS (2010)

NatureMap – DBCA (2007-).



Legend

- Desktop Study Area
- Study Area
- Development Envelope
- Roads

Significant Flora (Previous Surveys)

- ▲ Ajes *Aristida jerichoensis* var. *subspinulifera* (P3)
- ▲ Ecl *Euphorbia clementii* (P3)
- ▲ GspEP *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3)
- ▲ Lar *Lepidium amelum* (P1)

Significant Flora (DBCA 2020b)

- Afe *Acacia fecunda* (P1)
- Dat *Dampiera atriplicina* (P3)
- Ecl *Euphorbia clementii* (P3)
- Ela *Eragrostis lanicaulis* (P3)

- EspRR *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)
- Goha *Goodenia hartiana* (P2)
- Gped *Goodenia pedicellata* (P1)
- lam *Indigofera ammobia* (P3)
- Lar *Lepidium amelum* (P1)
- Sar *Sauropus arenosus* (P3)

FIGURE 5.4

**Existing Formally Listed
Flora Records in the
Desktop Study Area**

5.1.6 Summary of Introduced Flora

A list of introduced flora taxa known to occur or potentially occur within the Desktop Study Area is presented in **Table 5.6**. This has been compiled from WA Herbarium specimen data (DBCA 2007-), DAWE's SPRAT Database (DAWE 2020, 2021a), and the results of local flora and vegetation surveys (**Section 5.1.4**). Also presented in **Table 5.6** are comments regarding the significance of each taxon, including ecological impact and invasiveness ratings as per *Ecological Impact and Invasiveness Ratings from the Department of Parks and Wildlife for the Pilbara Region* (DBCA 2014).

A total of 19 introduced taxa are known to occur, or habitat for such taxa likely occurs, in the Desktop Study Area. Of these, one is a Declared Pest under the BAM Act (*Calotropis procera*) (DPIRD 2021b). No WoNS listed under the EPBC Act are known to occur within the Desktop Study Area (AWC 2021).

Table 5.6 Introduced Flora Taxa Known from Within the Desktop Study Area

| Taxon | Common Name | Source* | Significance | Ecological Impact (DBCA 2014) | Invasiveness (DBCA 2014) |
|---|-------------------------|--------------------------------------|---|-------------------------------|--------------------------|
| <i>Aerva javanica</i> | Kapok Bush | Mattiske MBS <i>NatureMap</i> | | High | Rapid |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | Mexican Poppy | Mattiske <i>NatureMap</i> | | Unknown | Rapid |
| <i>Calotropis procera</i> | Calotrope | Mattiske | Declared Pest | - | - |
| <i>Cenchrus ciliaris</i> | Buffel Grass | DAWE Mattiske <i>NatureMap</i> | Considered by the States and Territories to pose a particularly significant threat to biodiversity (DAWE 2020, 2021a) | High | Rapid |
| <i>Cenchrus setiger</i> | Birdwood Grass | Mattiske <i>NatureMap</i> | | High | Rapid |
| <i>Chloris barbata</i> | Purpletop Chloris | Mattiske | | High | Rapid |
| <i>Citrullus amarus</i> | | Mattiske | | Unknown | Moderate |
| <i>Citrullus colocynthis</i> | Wild Watermelon | <i>NatureMap</i> | | Unknown | Moderate |
| <i>Cynodon dactylon</i> | Couch | Mattiske <i>NatureMap</i> | | High | Rapid |
| <i>Datura leichhardtii</i> | Native Thornapple | Mattiske | | Unknown | Unknown |
| <i>Diplachne fusca</i> subsp. <i>uninervia</i> | Brown Beetle Grass | <i>NatureMap</i> | | - | - |
| <i>Echinochloa colona</i> | Awnless Barnyard Grass | Mattiske | | - | - |
| <i>Flaveria trinervia</i> | Speedy Weed | Mattiske | | - | - |
| <i>Malvastrum americanum</i> | Spiked Malvastrum | Mattiske <i>NatureMap</i> | | High | Rapid |
| <i>Passiflora foetida</i> var. <i>hispida</i> | Stinking Passion Flower | Mattiske <i>NatureMap</i> | | High | Rapid |
| <i>Portulaca pilosa</i> | Djanggara | <i>NatureMap</i> | | - | - |

| Taxon | Common Name | Source* | Significance | Ecological Impact (DBCA 2014) | Invasiveness (DBCA 2014) |
|-----------------------------|-------------------|------------------------------|--------------|-------------------------------|--------------------------|
| <i>Rumex vesicarius</i> | Ruby Dock | <i>NatureMap</i> | | - | - |
| <i>Sonchus oleraceus</i> | Common Sowthistle | Mattiske | | - | - |
| <i>Vachellia farnesiana</i> | Mimosa Bush | Mattiske <i>NatureMap</i> | | High | Rapid |

* Sources are:

DAWE – DAWE (2020, 2021a)

Mattiske – Mattiske (2019a, 2019b, 2019c, 2019d, 2020)

MBS – MBS (2010)

NatureMap – DBCA (2007-).

- Taxon has not been assessed for ecological impact or invasiveness by DBCA (2014).

5.1.7 Summary of Significant Vegetation

Searches of DBCA's TEC and PEC Database (DBCA 2007-, 2020a), DBCA's TEC and PEC lists (DBCA 2018, 2021), DAWE's SPRAT Database (DAWE 2020, 2021a), and the results of local surveys as outlined in **Section 5.1.4** did not identify any vegetation listed as significant under the EPBC Act or BC Act as being known to occur or likely to occur within the Desktop Study Area.

5.2 Field Survey

5.2.1 Vascular Flora Census

A total of 448 discrete vascular flora taxa, five known hybrids (as per WA Herbarium (1998-)) and two putative hybrids were recorded in the Study Area by the 2020 and 2021 surveys. The taxa and hybrids represent 59 families and 178 genera. The most well-represented families were Fabaceae (82 discrete taxa, five known hybrids and two putative hybrids), Poaceae (69 taxa), Malvaceae (49 taxa), Amaranthaceae (23 taxa) and Chenopodiaceae (21 taxa). A total of 139 taxa are considered to be ephemeral taxa, and 18 taxa are introduced (see **Section 5.2.6**).

Within quadrats established by the 2020 and 2021 surveys, average taxon (excluding hybrids) richness per quadrat was 31 (± 13), with the greatest number of taxa recorded in a single quadrat being 77 (WE052), and the lowest number being three (WW33).

A full list of taxa recorded by the 2020 and 2021 surveys is presented in **Appendix F**, with raw quadrat and relevé data and parameters presented in **Appendix G**.

Note that several collections could not be identified to species level due to poor material. Some are known to be distinct taxa relative to other taxa recorded by the survey, and therefore have been included in the totals presented above and in **Appendix F** (e.g. *Swainsona ?maccullochiana*). Other collections may represent distinct taxa relative to other taxa recorded by the survey; however, it is more likely that they represent taxa already recorded elsewhere, with the quality of the material such that this distinction cannot be made (e.g. *Acacia* sp., *Solanum ?phlomoides*). Such collections are not included in the totals above or presented in **Appendix F**. None of these collections are considered to represent significant flora taxa.

Multiple collections of two entities that appeared to represent *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) were made in the Study Area. The entities displayed some differences in leaf shape and indumentum; however, as no recent treatment of the genus was available, it was unclear as to whether these differences indicated multiple taxa. As they were readily distinguished in the field and appeared to occupy different habitats, these entities were treated separately for the purpose of floristic analysis, and are referred to as *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) and *Abutilon* cf. sp. Dioicum (A.A. Mitchell PRP 1618) in the floristic classification and raw data. However, since the analysis was conducted, both entities are now considered to represent *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) by the WA Herbarium, with material of the entity referred to as *Abutilon* cf. sp. Dioicum (A.A. Mitchell PRP 1618) subsequently identified as *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) by the WA Herbarium (M. Hislop pers. comm. 2021). It is considered unlikely that the treatment of these entities separately affected the outcome of the floristic classification.

5.2.2 Summary of Significant Flora

Table 5.7 presents a summary of data relating to significant flora taxa recorded in the Study Area by the 2020 and 2021 surveys. A total of 11 significant flora taxa were recorded by the 2020 and 2021 surveys; this includes nine DBCA-listed Priority flora taxa and two taxa considered significant under the 'new species or species with anomalous features that indicate a potential new species' reason from EPA (2016a, 2016b) (**Section 3.9.1**); these taxa are subsequently referred to as 'potentially undescribed'. Of the 11 significant flora taxa recorded by the 2020 and 2021 surveys, seven have records within the Footprint (**Table 5.7**). Five

listed significant flora taxa were recorded at Woodie Woodie for the first time by the 2020 and 2021 surveys, being *Euphorbia inappendiculata* var. *inappendiculata* (P2), *Kohautia australiensis* (P2), *Ptilotus mollis* (P4), *Stylidium weeliwollii* (P3) and *Tribulus minutus* (P1). *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) has also not been reported as occurring in the Study Area, but is known to have been reported previously under the name *Eremophila tietkensis*. Locations of significant flora taxa recorded in the Study Area by the 2020 and 2021 surveys are presented on **Figure 5.5**. A detailed description and summary of information for each taxon recorded by the 2020 and 2021 surveys is provided in **Sections 5.2.3** and **5.2.4**, and specific location details are presented in **Appendix H**. Note that as mentioned in **Section 3.4.4**, counts of all taxa except *Corchorus* aff. *incanus* (potentially undescribed) were recorded in the wider Study Area. The results of the habitat density method for this taxon are discussed in **Section 5.2.4.1**.

Table 5.7 also includes a summary of the VTs within which each significant flora taxon was recorded. Preferred habitat for each taxon has been determined based on proportional location representation and landforms/soils, and is indicated with ‘~’. However, it is worthy of note that some taxa recorded by the 2020 and 2021 surveys were recorded from few locations, and therefore there may not be sufficient data to confidently assign preferred habitat for these taxa. Note also that many taxa recorded in the Study Area by the 2020 and 2021 surveys have records within areas mapped as cleared or rehabilitated land. This is likely due to GPS accuracy or mapping scale.

Targeted survey within regional survey sites was successful in locating the target taxa *Lepidium amelum* (P1) and *Corchorus* aff. *incanus* (potentially undescribed) (previously reported by Woodman Environmental (2021) as ‘*Corchorus* sp. (potentially undescribed)’). A summary of data for these taxa recorded at regional survey sites (or while transiting to them) is presented in **Table 5.8**, with locations presented on **Figure 5.6**. All regional survey sites for *Lepidium amelum* (P1) were visited to assess for presence/absence of suitable habitat; however, the taxon was only recorded in regional survey site 1, just west of Woodie Woodie (**Table 5.8, Figure 5.6**). Regional survey site 3 was surveyed, however, no individuals were located, and sites 2 and 4 were determined to have no suitable habitat, although time and weather-related access constraints prevented a complete assessment of the site 4 area. Only one regional survey site identified for *Corchorus* aff. *incanus* (potentially undescribed) was visited (regional survey site A). No suitable habitat was identified at this site; however, time and weather-related access constraints prevented a complete assessment in this area. The remaining two regional survey sites (sites B and C) could not be visited due to weather-related access constraints. However, this taxon was recorded widely and in large numbers in the *Lepidium amelum* regional survey sites 1 and 3 (**Table 5.8, Figure 5.6**). This was somewhat unexpected and provides evidence that this taxon has less specific habitat requirements than initially thought.

Additionally, although not specifically targeted, an additional four significant flora taxa recorded in the Study Area by the 2020 and 2021 surveys were also located while conducting targeted searching at the regional survey sites, or while transiting to them from Woodie Woodie. In particular, *Goodenia pedicellata* (P1) and *Tribulus minutus* (P1) were found in large numbers just west of the Study Area at and in the vicinity of *Lepidium amelum* regional survey site 1 (**Table 5.8, Figure 5.6**).

Note that the 2020 and 2021 surveys recorded locations of *Seringia exastia*, a taxon currently listed as Threatened under the BC and EPBC Acts. Recent taxonomic work has determined that material considered to represent *Seringia exastia*, which was thought to be restricted to a few locations near Broome and to the south of Broome in the Great Sandy Desert, should be considered conspecific with material considered to be *Seringia elliptica*, a taxon widespread across northern and central WA (Binks *et al.* 2020). Consequently, *Seringia elliptica* and *Seringia exastia* were synonymised under the oldest valid name, being *Seringia*

exastia. This synonymisation has unfortunately created an anomalous situation whereby *Seringia exastia* as now circumscribed is a common, widespread species that clearly does not meet the criteria for Threatened status under either of the aforementioned acts. However, the conservation status of this taxon cannot be revised until the Threatened Species Scientific Committee meet to formalise the delisting and the name is published in a Biodiversity Conservation Order. It is therefore considered that *Seringia exastia* should not be considered as a species of significance; it is not discussed further in a significant flora context. Notwithstanding this, this taxon was only observed at a single location in the Study Area that was outside the footprint, and it is considered highly unlikely to occur within it based on the habitat at the single known location.

In addition, a number of collections of a taxon that was identified by a specialist taxonomist at the WA Herbarium as *Abutilon* aff. *hannii* were made within the Study Area by the 2021 survey (**Plate 5.1**). This taxon differs significantly in indumentum characters from all other *Abutilon hannii* collections in the WA Herbarium (all of which are from the Kimberley Region). Steve Dillon, an expert in Malvaceae from the WA Herbarium, investigated this entity recently and believes that it is very unlikely to represent *Abutilon hannii*, and although closer to *Abutilon propinquum* (a name that was sunk into *Abutilon hannii*, but may need to be reinstated), may not represent that taxon either (M. Hislop pers. comm. 2021). This taxon is still awaiting recognition on the census of plants in WA via a phrase name; it is expected that this will happen in the near future based on communications with the WA Herbarium. This entity is known from a number of locations distributed widely in the Pilbara region, and it is unlikely to be assessed as being significant in a conservation context (M. Hislop pers. comm. 2021). Therefore, this taxon is not considered to be a significant taxon and is not discussed further in a significant flora context.



Plate 5.1 *Abutilon* aff. *hannii* (potentially undescribed) (Photos: Woodman Environmental 2020)

Table 5.7 Summary of Significant Flora Taxa Recorded by the 2020 and 2021 Surveys Within the Study Area

| Taxon | Status (WA) | Footprint | | Development Envelope (excluding Footprint) | | Study Area (excluding Footprint and Development Envelope) | | Total | | Vegetation Types* |
|--|-------------|---------------------|-----------------------|--|-----------------------|---|-----------------------|---------------------|-----------------------|---|
| | | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | | | | | 14 | 950 | 14 | 950 | HG3~, HG5~, HG12, S2, C |
| <i>Euphorbia clementii</i> | P3 | 65 | 526 | 13 | 76 | 9 | 83 | 87 | 685 | HG1~, HG7, HG12, S1, W2, C, R |
| <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> | P2 | | | 1 | ^ | 1 | ^ | 2 | ^ | S2~ |
| <i>Goodenia pedicellata</i> | P1 | 51 | 1,411 | 185 | 4,699 | 157 | 6,697 | 393 | 12,807 | HG1, HG2~, HG7, HG12, R |
| <i>Kohautia australiensis</i> | P2 | 1 | ^ | 3 | ^ | 2 | ^ | 6 | ^ | HG7~, HG8, HG12, W1~ |
| <i>Lepidium amelum</i> | P1 | 84 | 1,120 | 195 | 1,538 | 94 | 513 | 373 | 3,171 | HG1, HG2~, HG4, HG7, HG11, HG12, W1 |
| <i>Ptilotus mollis</i> | P4 | | | | | 2 | 65 | 2 | 65 | HG1~ |
| <i>Stylidium weeliwoilli</i> | P3 | | | | | 1 | 1 | 1 | 1 | W2~ |
| <i>Tribulus minutus</i> | P1 | 45 | 197 | 307 | 8,920 | 19 | 340 | 371 | 9,457 | HG1~, HG2~, HG4, HG6, HG7, HG8, HG11, HG12~, W1, C, R |

| Taxon | Status (WA) | Footprint | | Development Envelope (excluding Footprint) | | Study Area (excluding Footprint and Development Envelope) | | Total | | Vegetation Types* |
|--|-------------------------|---------------------|-----------------------|--|-----------------------|---|-----------------------|---------------------|-----------------------|--|
| | | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | |
| <i>Corchorus</i> aff. <i>incanus</i> | Potentially undescribed | 1,533 | 34,576 | 311 | 14,414 | 137 | 8,561 | 1,981 | 57,551 | HG1, HG2~, HG4, HG5, HG7, HG8, HG11, HG12~, S1, W1, W2, C, R |
| <i>Heliotropium</i> aff. <i>argyreum</i> | Potentially undescribed | 16 | ^ | 54 | ^ | 69 | ^ | 139 | ^ | HG1~, HG2, HG3, HG4, HG5, HG6, HG7, HG8, HG11, HG12~, S1, S2, W1~, R |

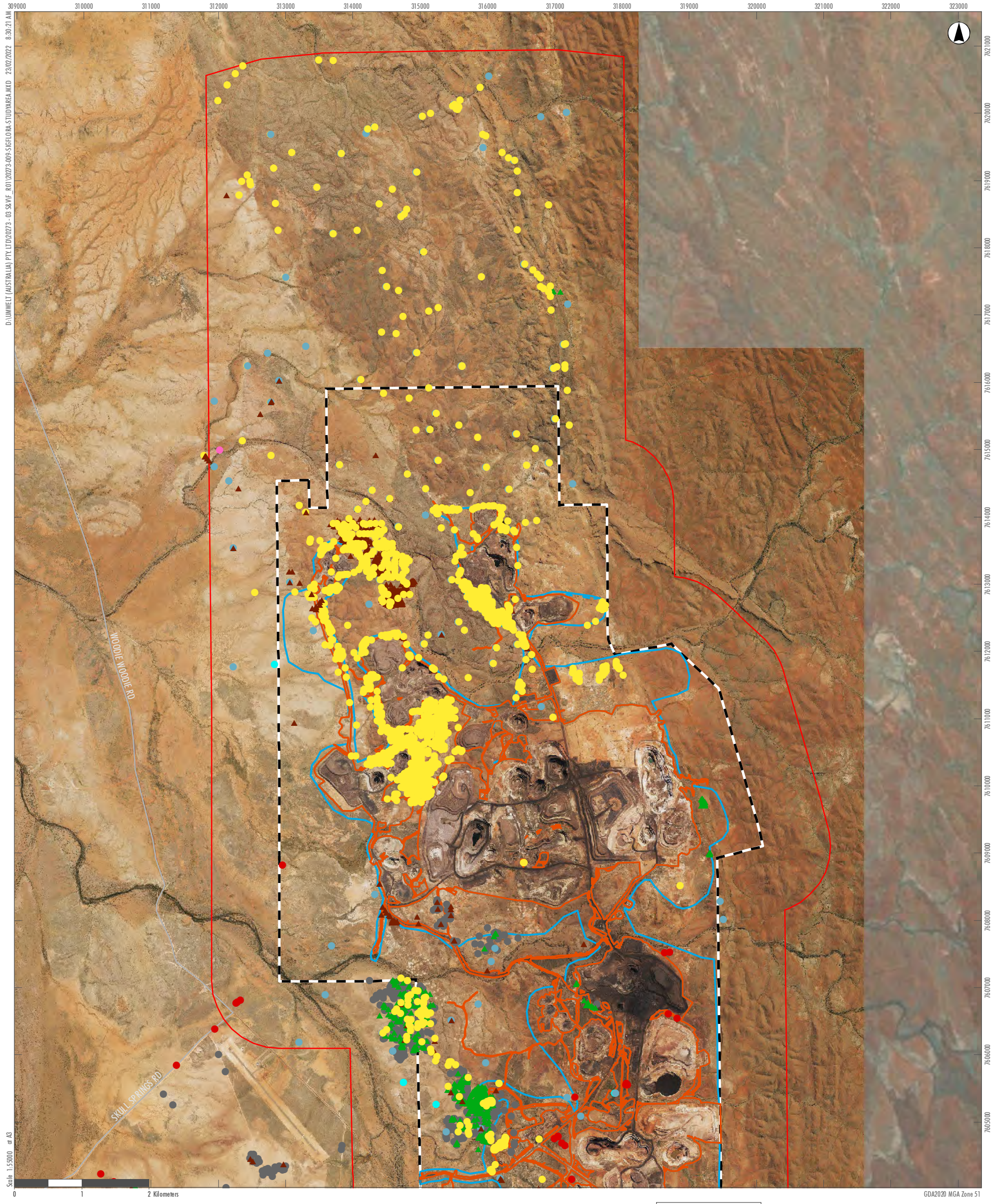
* Refer to **Section 5.2.8** for VT descriptions.

~ Designates preferred habitat, based on proportional location representation and landforms/soils.

^ Counts not undertaken for taxon.

Table 5.8 Summary of Significant Flora Taxa Recorded by the 2020 and 2021 Surveys Outside the Study Area

| Taxon | Status (WA) | Regional Survey Site 1 | | Regional Survey Site 3 | | Outside Regional Survey Sites | | Total | |
|--|-------------------------|------------------------|-----------------------|------------------------|-----------------------|-------------------------------|-----------------------|---------------------|-----------------------|
| | | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals | Number of Locations | Number of Individuals |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | | | | | 3 | 500 | 3 | 500 |
| <i>Euphorbia clementii</i> | P3 | 2 | 5 | | | 42 | 286 | 44 | 291 |
| <i>Goodenia pedicellata</i> | P1 | 167 | 71,107 | | | 54 | 25,417 | 221 | 96,524 |
| <i>Lepidium amelum</i> | P1 | 334 | 11,620 | | | 107 | 692 | 441 | 12,312 |
| <i>Tribulus minutus</i> | P1 | 76 | 13,175 | | | 28 | 11,932 | 104 | 25,107 |
| <i>Corchorus</i> aff. <i>incanus</i> | Potentially undescribed | 41 | 12,258 | 45 | 24,082 | 3 | 170 | 89 | 36,510 |



- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Roads
- Significant Flora**
- *Corchorus* aff. *incanus* (potentially undescribed)
 - *Euphorbia clementii* (P3)
 - *Goodenia pedicellata* (P1)
 - *Heliotropium* aff. *argyreum* (potentially undescribed)
 - *Kohautia australiensis* (P2)
 - ▲ *Lepidium amelum* (P1)
 - *Stylidium weeliwollii* (P3)
 - ▲ *Tribulus minutus* (P1)

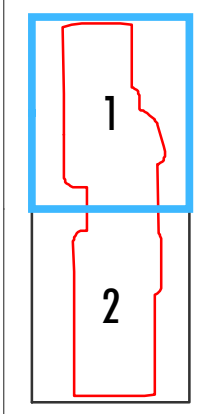
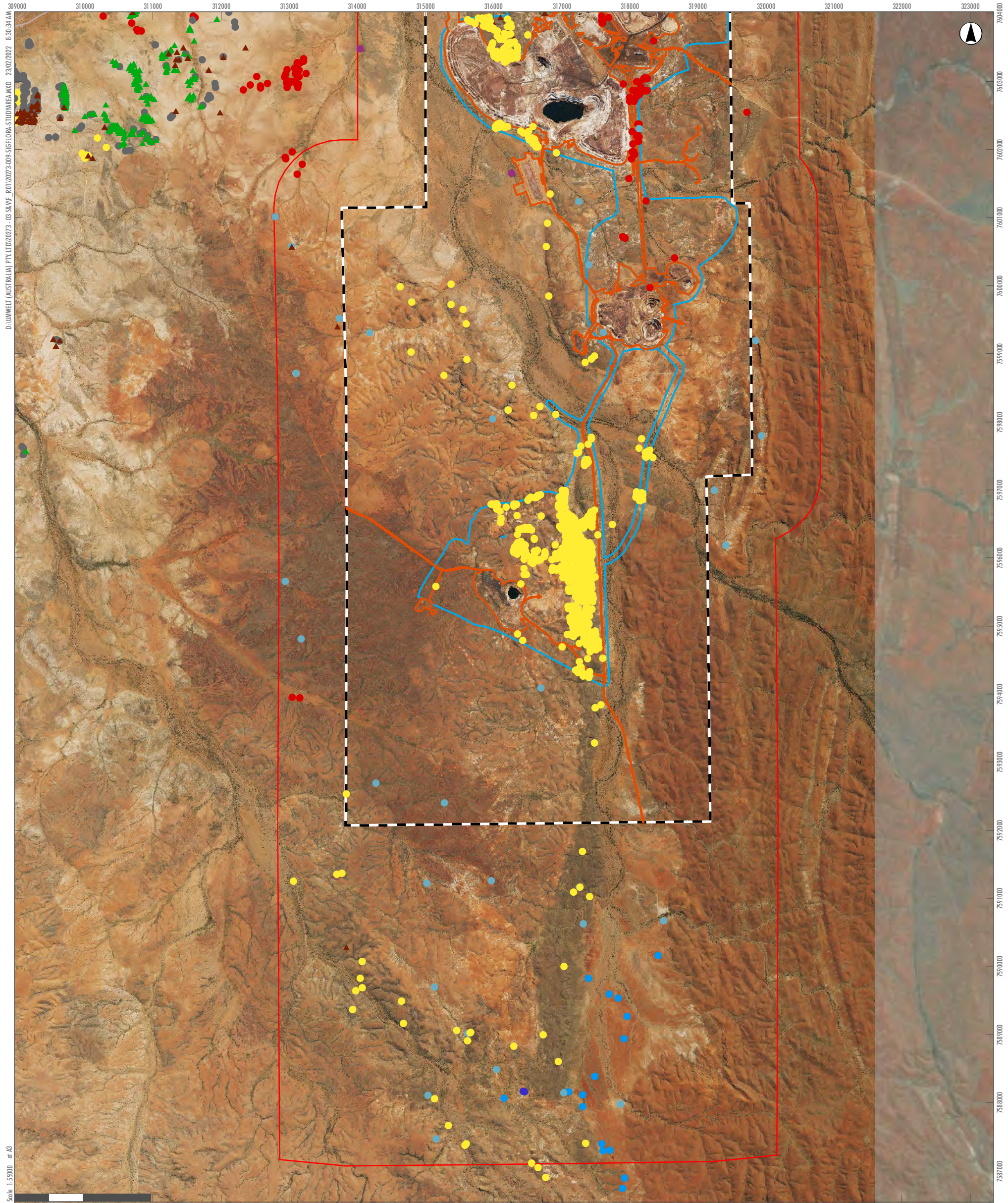


FIGURE 5.5
Significant Flora Recorded by the 2020 and 2021 Surveys Within the Study Area



- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Roads
- Significant Flora**
- *Corchorus* aff. *incanus* (potentially undescribed)
 - *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)
 - *Euphorbia clementii* (P3)
 - *Euphorbia inappendiculata* var. *inappendiculata* (P2)
 - *Goodenia pedicellata* (P1)
 - *Heliotropium* aff. *argyreum* (potentially undescribed)
 - ▲ *Lepidium amelum* (P1)
 - *Ptilotus mollis* (P4)
 - ▲ *Tribulus minutus* (P1)

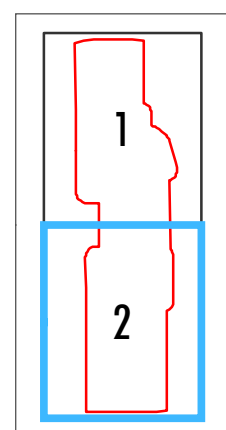
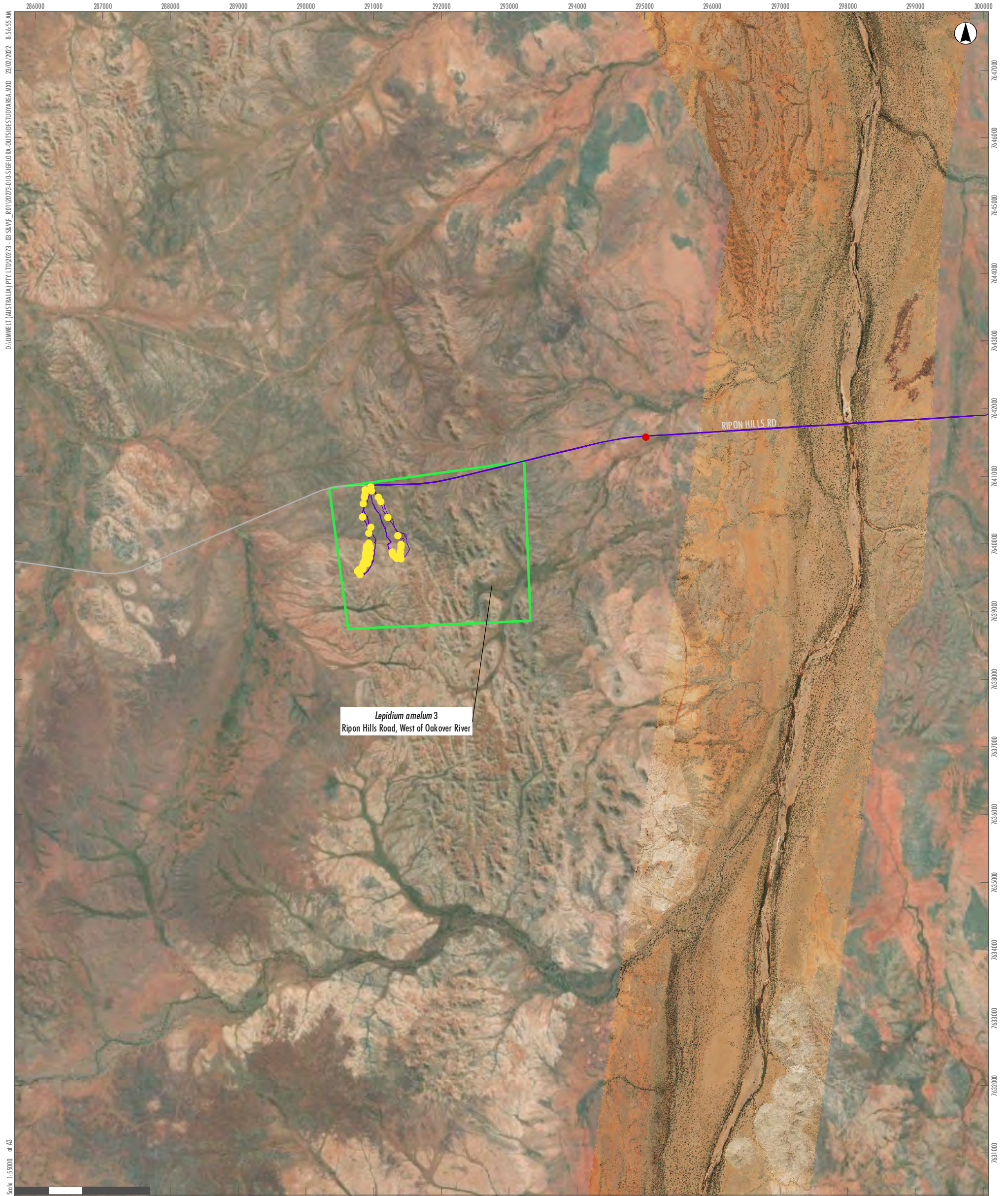


FIGURE 5.5
Significant Flora Recorded by the 2020 and 2021 Surveys Within the Study Area



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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Roads
 - Track Logs (2020)
 - Track Logs (2021)
- Regional Survey Sites**
- Visited Regional Sites
 - Inaccessible Regional Sites
 - Surveyed Regional Sites
- Significant Flora**
- *Corythos* aff. *incanus* (potentially undescribed)
 - *Euphorbia clementii* (P3)

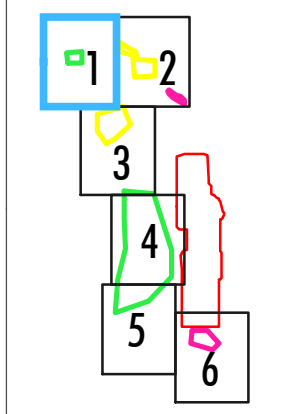
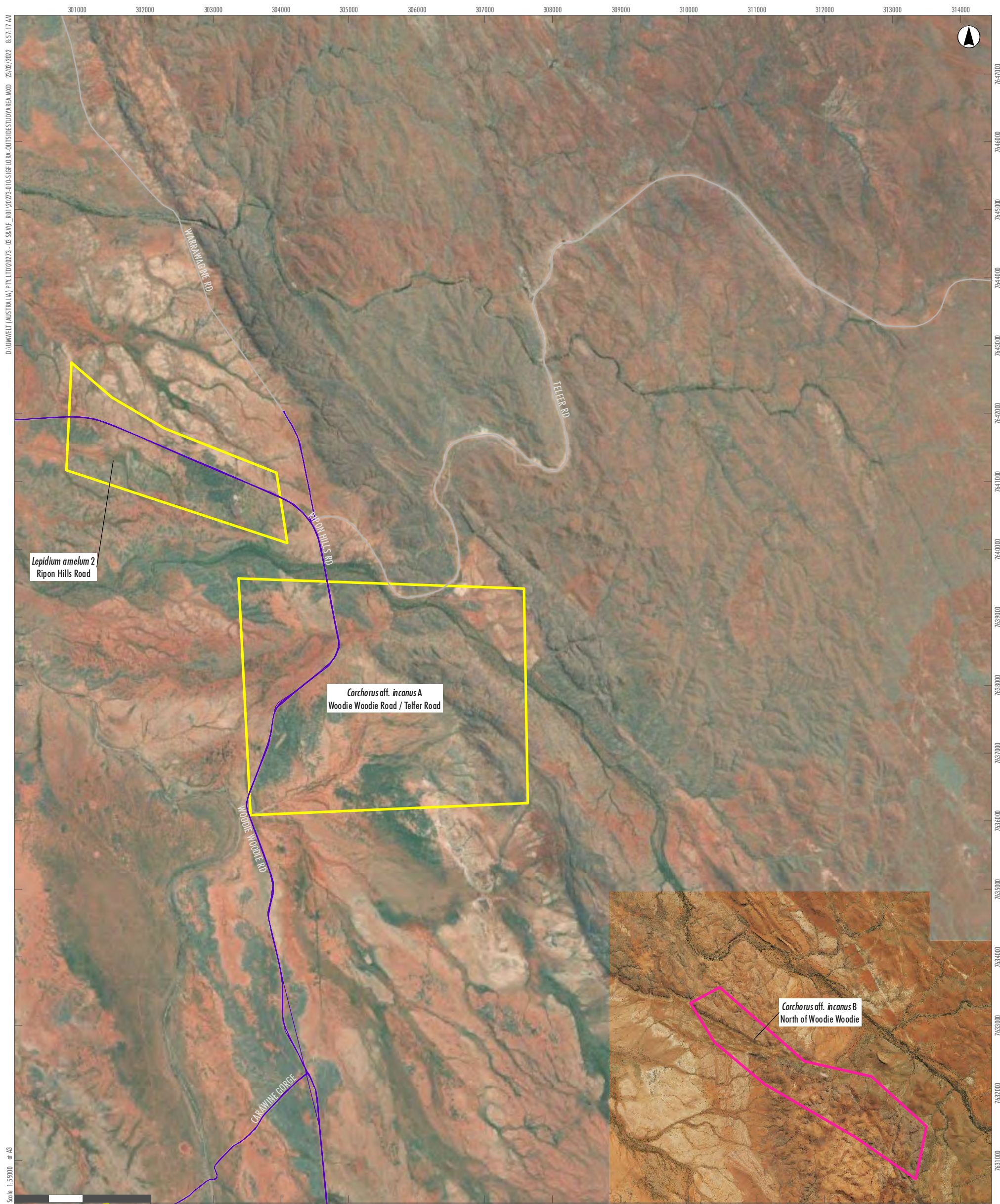


FIGURE 5.6
Significant Flora Recorded by the 2020 and 2021 Surveys Outside the Study Area



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- Legend**
- Study Area
 - Development Envelope
 - Roads
 - Track Logs (2020)
 - Track Logs (2021)
 - Regional Survey Sites**
 - Visited Regional Sites
 - Inaccessible Regional Sites
 - Surveyed Regional Sites

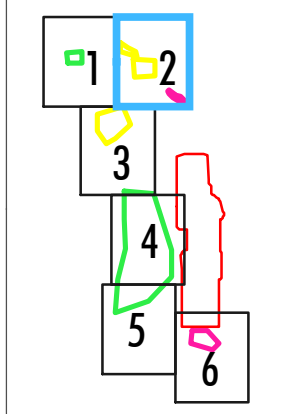
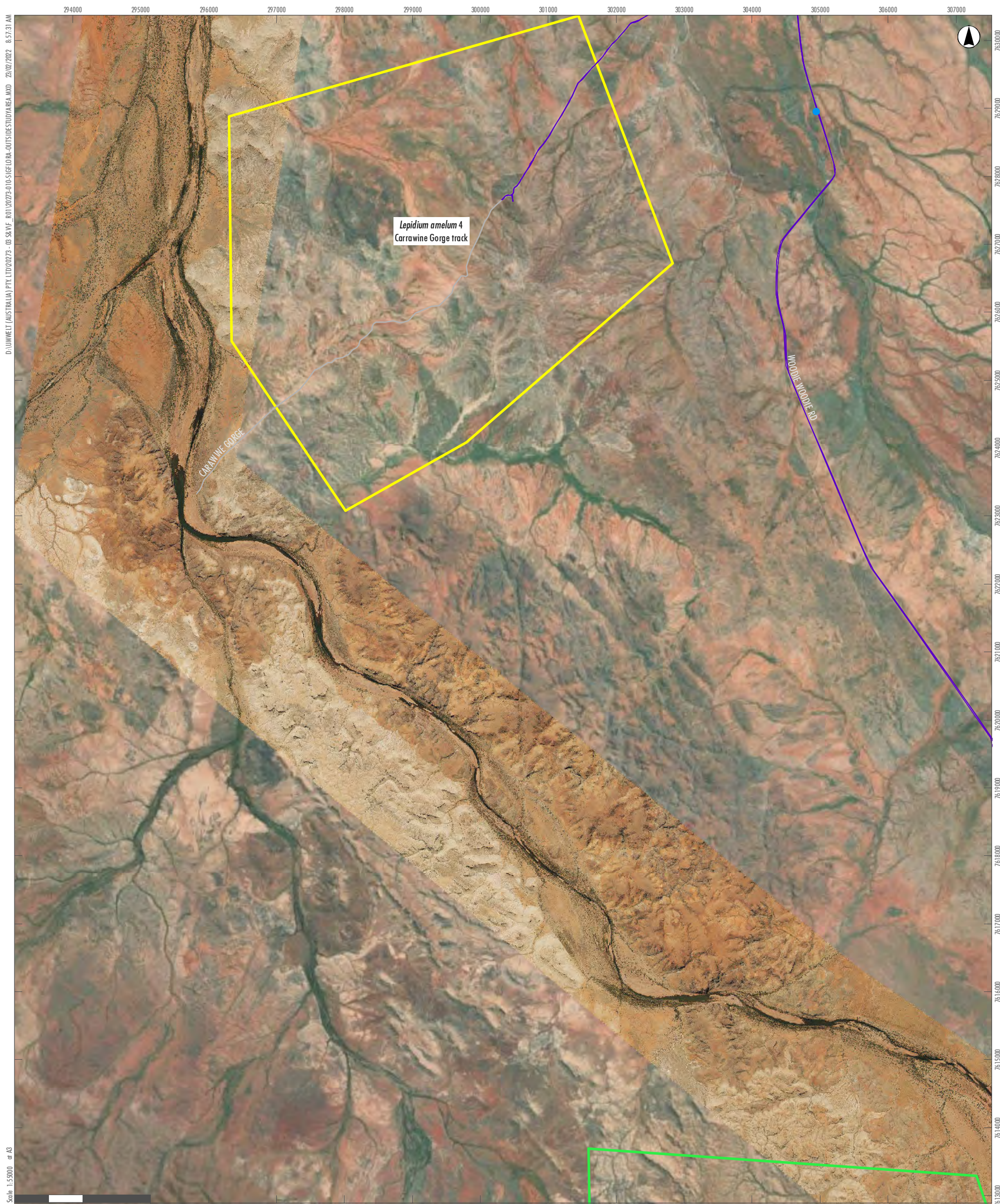


FIGURE 5.6
Significant Flora Recorded by the 2020 and 2021 Surveys Outside the Study Area



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- Legend**
- Study Area
 - Development Envelope
 - Roads
 - Track Logs (2020)
 - Track Logs (2021)
- Regional Survey Sites**
- Visited Regional Sites
 - Inaccessible Regional Sites
 - Surveyed Regional Sites

- Significant Flora**
- *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)

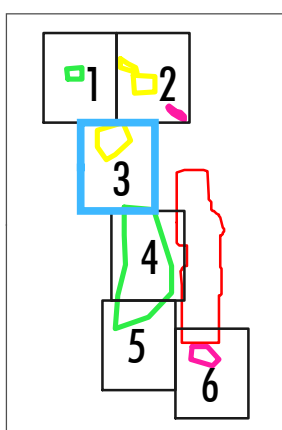
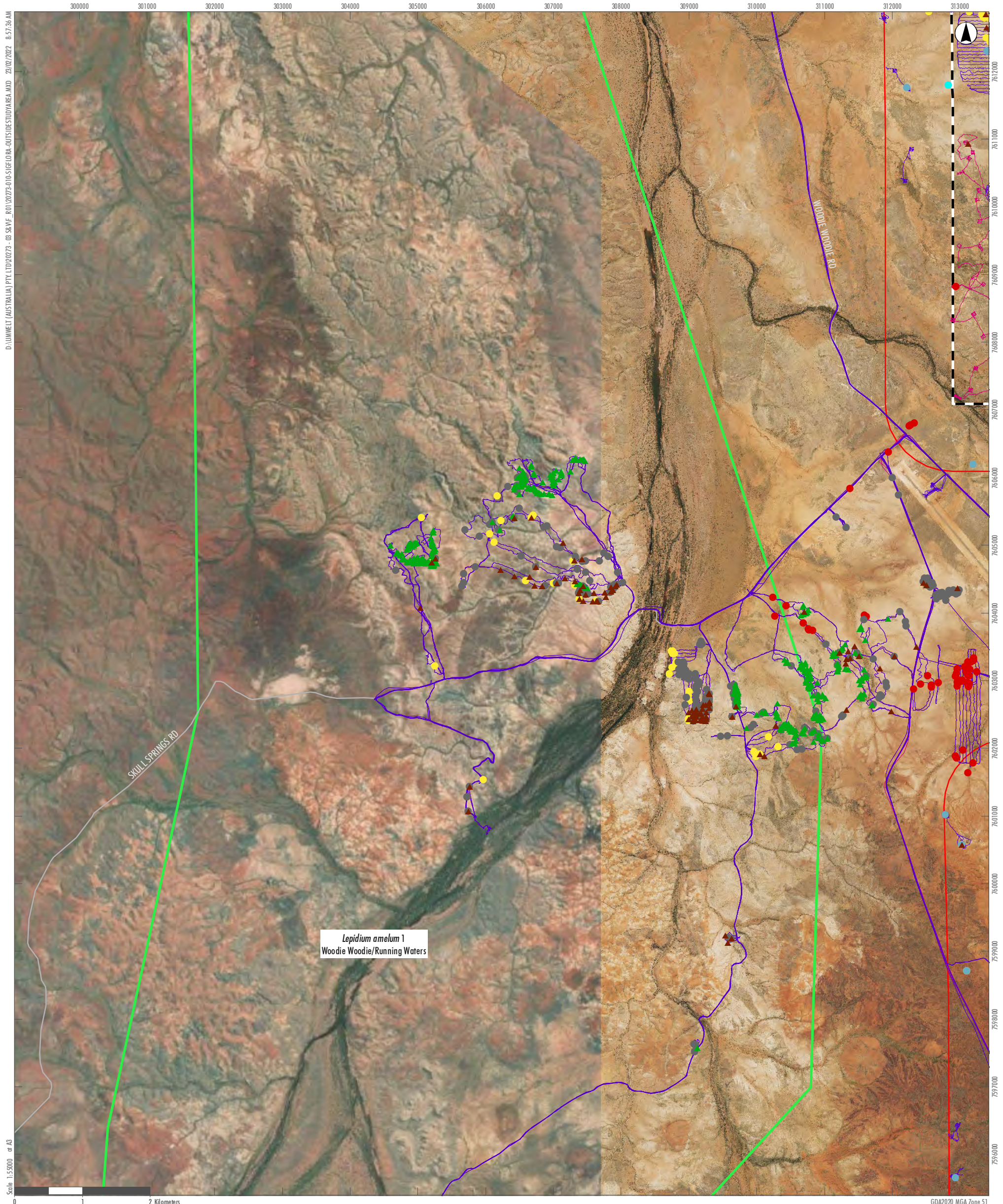


FIGURE 5.6
Significant Flora Recorded by the 2020 and 2021 Surveys Outside the Study Area



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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Roads
 - Track Logs (2020)
 - Track Logs (2021)
- Regional Survey Sites**
- Visited Regional Sites
 - Inaccessible Regional Sites
 - Surveyed Regional Sites
- Significant Flora**
- *Corchorus* aff. *incanus* (potentially undescribed)
 - *Euphorbia clementii* (P3)
 - *Goodenia pedicellata* (P1)
 - *Heliotropium* aff. *argyreum* (potentially undescribed)
 - *Kohautia australiensis* (P2)
 - ▲ *Lepidium amelum* (P1)
 - ▲ *Tribulus minutus* (P1)

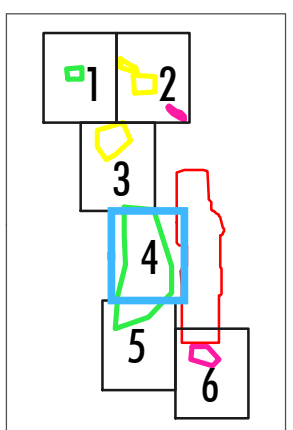
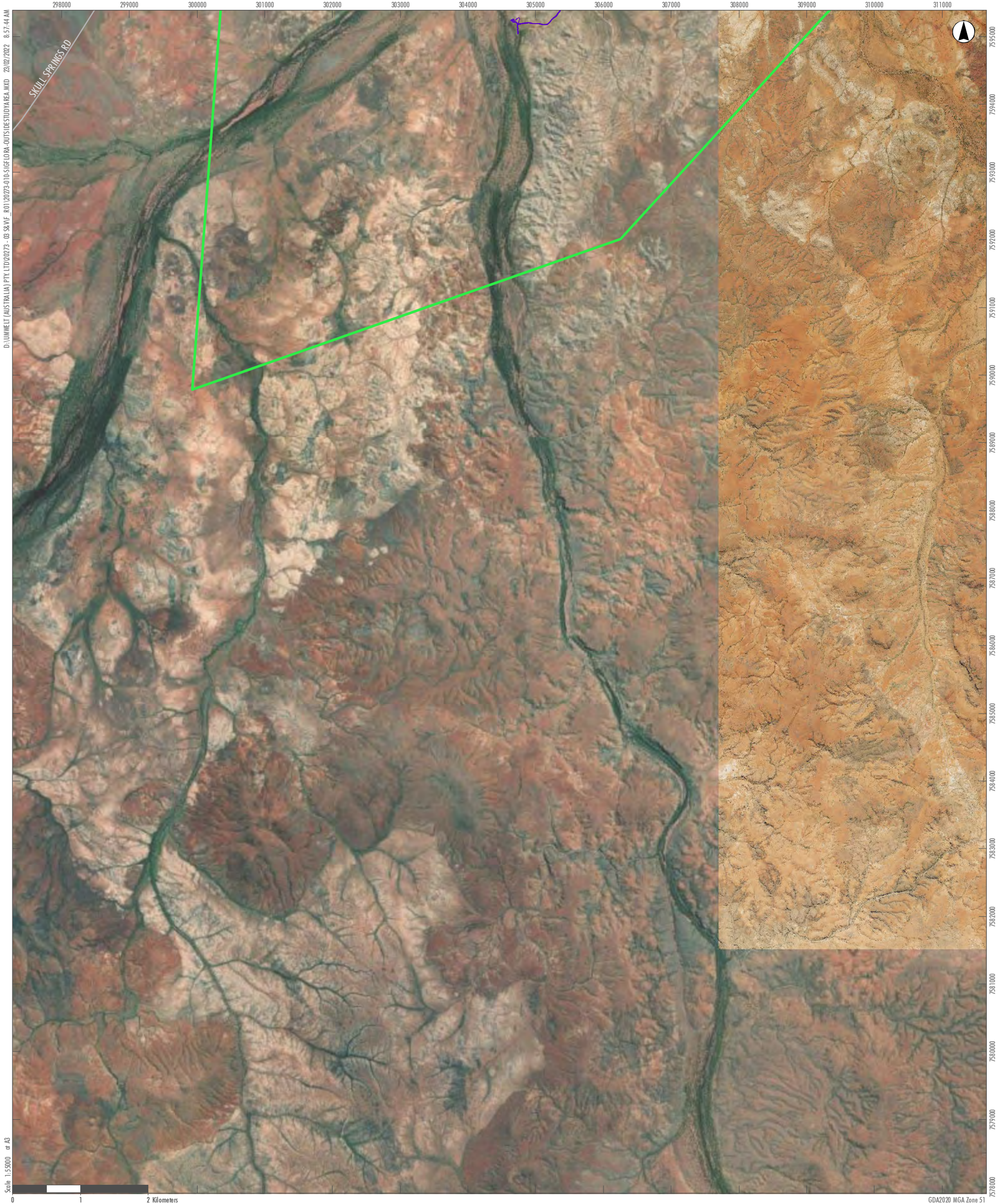


FIGURE 5.6
Significant Flora Recorded by the 2020 and 2021 Surveys Outside the Study Area



- Legend**
- Study Area
 - Development Envelope
 - Roads
 - Track Logs (2020)
 - Track Logs (2021)
- Regional Survey Sites**
- Visited Regional Sites
 - Inaccessible Regional Sites
 - Surveyed Regional Sites

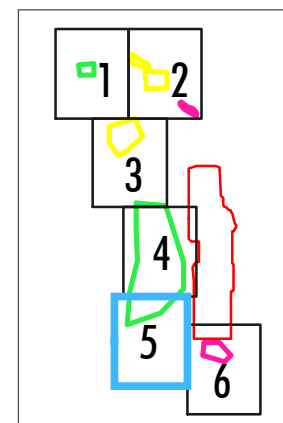
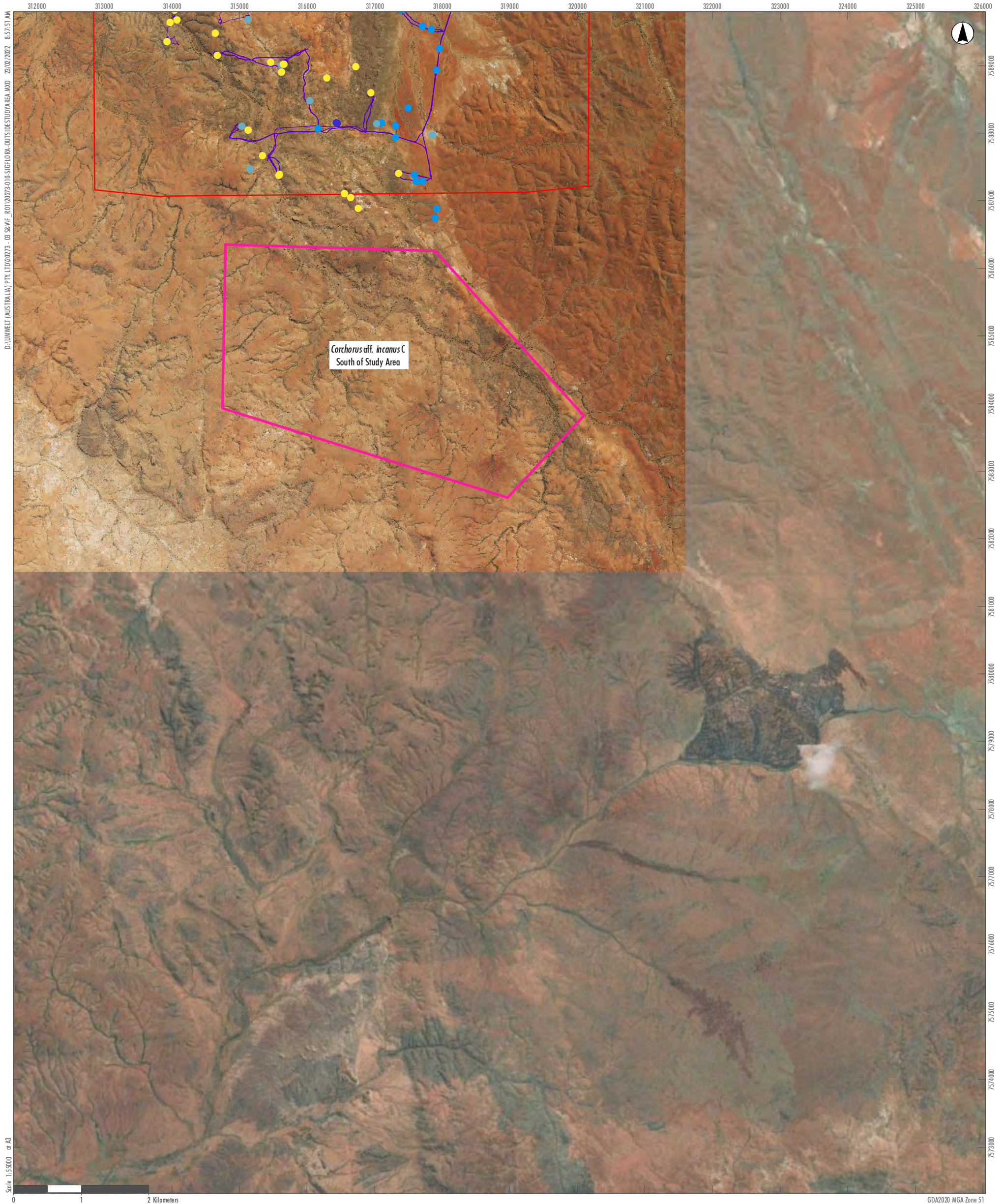


FIGURE 5.6
Significant Flora Recorded by the 2020 and 2021 Surveys Outside the Study Area



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GDA2020 MGA Zone 51

Legend

- Study Area
- Development Envelope
- Roads
- Track Logs (2020)
- Track Logs (2021)
- Regional Survey Sites**
- Visited Regional Sites
- Inaccessible Regional Sites
- Surveyed Regional Sites

Significant Flora

- *Corchorus* aff. *incanus* (potentially undescribed)
- *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)
- *Heliotropium* aff. *argyream* (potentially undescribed)
- *Phylotus mollis* (P4)

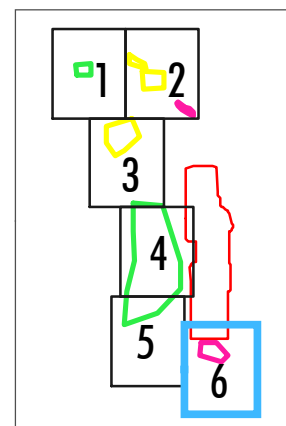


FIGURE 5.6

Significant Flora Recorded by the 2020 and 2021 Surveys Outside the Study Area

5.2.3 Listed Significant Flora Taxa

5.2.3.1 *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)

Eremophila sp. Rudall River (P.G. Wilson 10512) (P2) is a compact (sometimes spreading), erect, woody perennial shrub growing to 1.5 m with pale pink to mauve flowers, purple stems, red/maroon calyces and pale grey/grey-green leaves (**Plate 5.2**). This taxon is found on a variety of habits including stony sandy loam, rocky rises, saline claypans on red sand and quartz soil surface (WA Herbarium 1998-). The taxon is not listed under the EPBC Act or BC Act, but is classified as P2 by DBCA (Smith and Jones 2018). *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) is known to occur over a range of approximately 330 km in WA (where it is endemic (AVH 2021)), from Balfour Downs pastoral lease to the east near Lake Auld (DBCA 2007-; WA Herbarium 1998-). This taxon is known from 14 records in DBCA databases representing approximately 13 regional populations, three of which occur within DBCA-managed tenure (Karlamilyi National Park) (DBCA 2007-, WA Herbarium 1998-).

Although not reported as occurring in the Study Area by previous reports under the above name, this taxon has previously been reported from the Study Area under the name *Eremophila tietkensis* (Mattiske 2020); a taxon from which *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) was relatively recently separated. However, the WA Herbarium has advised that the group to which *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) and *Eremophila tietkensis* belong has recently undergone taxonomic revision; one of the findings from this revision is that these taxa are conspecific, and the name *Eremophila* sp. Rudall River (P.G. Wilson 10512) will be sunk under *Eremophila tietkensis*. This revision will apparently be published in the near future; it is unlikely that the re-circumscribed *Eremophila tietkensis* will be assessed as being of conservation significance (M. Hislop *pers. comm.* 2021).

This taxon was searched for during targeted surveys in 2021. A total of 950 individuals of *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) were recorded at 14 point locations in the Study Area by the 2020 and 2021 surveys, within the southern-most extent of the Study Area, on outwash and colluvial plains between two large ranges. No individuals of this taxon were recorded within the Development Envelope or Footprint. The recorded locations represent approximately five populations in the Study Area. *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) was recorded in a total of four VTs (as well as in a small number of areas mapped as 'Cleared'), with VTs HG3 and HG5 considered to represent the taxon's preferred habitat in the Study Area (**Table 5.7, Figure 5.5**).

A total of 300 additional individuals of *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) were recorded by the 2021 survey at one point location northwest of the Survey Area, between regional searching sites 4 and B (**Table 5.8, Figure 5.6**).



Plate 5.2 *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2) (Photos: (left) scanned specimen, WA Herbarium 2021; (right) Umwelt 2021)

5.2.3.2 *Euphorbia clementii* (P3)

Euphorbia clementii (P3) is an erect annual or short-lived perennial herb growing to 0.6 m high (Plate 5.3) that occurs on stony plains, and often within sandy flow lines that dissect such plains (Woodman Environmental/Umwelt field observations; WA Herbarium 1998-). This taxon is not listed under the EPBC Act or BC Act, but is classified as P3 by DBCA (Smith and Jones 2018). It is known to occur over a range of approximately 300 km in WA (where it is endemic (AVH 2021)), from near Port Hedland in the north, southwest to near Wodgina and east to Woodie Woodie (DBCA 2007-). There is a single disjunct record much further south than the taxon's main distribution near the southern corner of Karijini National Park (near West Angelas Iron Ore mine); however, this location is not represented by a WA Herbarium specimen collection and therefore requires verification (DBCA 2007-). This taxon is known from 30 records in DBCA databases representing approximately 29 regional populations, none of which occur within DBCA-managed tenure (DBCA 2007-; WA Herbarium 1998-).

This taxon was searched for during targeted surveys in 2021. A total of 685 individuals of *Euphorbia clementii* (P3) were recorded at 87 point locations across the Study Area by the 2020 and 2021 surveys, of which 526 individuals were recorded at 65 point locations within the Footprint, and an additional 76 individuals at 13 point locations in the wider Development Envelope. The recorded locations in the Study Area represent approximately 17 populations. *Euphorbia clementii* (P3) was recorded in a total of five VTs (as well as in a small number of areas mapped as 'Cleared' and 'Rehabilitated'), with VT HG1 (where this VT occurs in proximity to flow lines and other drainage features) considered to represent the taxon's preferred habitat in the Study Area (Table 5.7, Figure 5.5). This taxon has been previously recorded in the Study Area by Mattiske and MBS (Section 5.1.5).

Note that *Euphorbia clementii* (P3) is well known to occur almost exclusively in areas that have been recently burnt or disturbed, and it is probable that most individuals of this species do not live beyond 12 months post-fire or disturbance. While the taxon can be found in unburnt/undisturbed locations, it is typically present at much lower densities (Woodman Environmental/Umwelt field observations). It is considered likely that many more locations and individuals of this taxon would be present in the Study Area in suitable habitat in the first wet season following a fire; no areas burnt immediately prior to the wet season during which targeted surveys were undertaken in 2021 were present in the Study Area.

A total of 291 additional individuals of *Euphorbia clementii* (P3) were recorded by the 2021 survey at 44 point locations outside the Study Area, predominately between the Study Area and regional searching site 1. An additional isolated location was recorded between regional searching sites 2 and 3 (Table 5.8, Figure 5.6).



Plate 5.3 *Euphorbia clementii* (P3) (Photos: Woodman Environmental 2019)

5.2.3.3 *Euphorbia inappendiculata* var. *inappendiculata* (P2)

Euphorbia inappendiculata var. *inappendiculata* (P2) is a prostrate, decumbent or ascending annual or herbaceous perennial with pilose stems growing to 0.3 m high (Plate 5.4) that typically occurs on flats in claypans (Halford and Harris 2012; WA Herbarium 1998-). This taxon is not listed under the EPBC Act or BC Act, but is classified as P2 by DBCA (Smith and Jones 2018). According to the Australasian Virtual Herbarium (AVH), most records of *Euphorbia inappendiculata* var. *inappendiculata* (P2) occur in the Pilbara region of WA, but one record occurs in the Northern Territory (NT), close to the border with WA; this record is quite disjunct from the WA populations, being approximately 1000 km from the easternmost record in WA (AVH 2021). Within WA, this taxon occurs from Barlee Range Nature Reserve (south of Nanutarra), east to Jiblebar (east of Newman) and north to Warralong (north of Marble Bar) (DBCA 2007-). This taxon is known from 11 records on DBCA databases according to *Florabase* (WA Herbarium 1998-) (note that *NatureMap*, which is updated less frequently than *Florabase*, indicates there are eight records of this taxon

in WA (DBCA 2007-)), representing as many regional populations, one of which occurs within DBCA-managed tenure (Barlee Range Nature Reserve); an additional population is within UCL proposed for conservation (ex-Hamersley Station) (DBCA 2007-; WA Herbarium 1998-).

Euphorbia inappendiculata var. *inappendiculata* (P2) was identified at Woodie Woodie for the first time by the 2021 survey. This taxon was also not identified by the desktop assessment (**Section 5.1.5**), and was only identified post-survey; therefore, it was not specifically searched for during targeted surveys in 2021, and counts of individuals were not undertaken. Two locations of this taxon were recorded in the Study Area by the 2021 survey, one of which was located within the Development Envelope, but outside the Footprint. These records extend the known distribution of this taxon in WA approximately 160 km to the east. The two locations of *Euphorbia inappendiculata* var. *inappendiculata* (P2) occur in cracking clay soil within VT S2 (**Table 5.7, Figure 5.5**), which is cautiously considered to represent the taxon's preferred habitat in the Study Area. Although further survey in the Study Area is required to confirm the distribution and preferred habitat of this taxon, its current known habitat preference indicates it will be restricted to areas of cracking clay soils.



Plate 5.4 *Euphorbia inappendiculata* var. *inappendiculata* (P2) (Photo: Woodman Environmental 2019)

5.2.3.4 *Goodenia pedicellata* (P1)

Goodenia pedicellata (P1) is a perennial herb growing to 0.25 m tall, single-stemmed with leaves in a rosette-like arrangement and yellow flowers on a compact, raceme-like inflorescence (**Plate 5.5**). The taxon

occurs on open, calcareous exposed sites with scattered, sparse shrubs on rocky slopes and crests of low hills (WA Herbarium 1998-). This taxon is not listed under the EPBC Act or BC Act, but is classified as P1 by DBCA (Smith and Jones 2018). This taxon is known from 16 records on DBCA databases according to *Florabase* (WA Herbarium 1998-) (note that *NatureMap*, which is updated less frequently than *Florabase*, indicates there are nine records of this taxon in WA (DBCA 2007-)), none of which occur within DBCA-managed conservation tenure (DBCA 2007-). The taxon is known over a range of approximately 400 km from near Mount Brockman mine east to Oakover River near Woodie Woodie.

There has been long-standing confusion as to the taxonomic boundaries between *Goodenia pedicellata* (P1) and *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3). At the time of publication of *Goodenia pedicellata* (P1) (Sage and Dixon 2005), the taxon was only known to occur from the aforementioned population near the Oakover River, while *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) was restricted to the central-southern Pilbara and was not known to occur near Woodie Woodie. Subsequently, material from Woodie Woodie was identified by consultants as *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) (**Figure 5.4** and **Sections 5.1.4** and **5.1.5**), and similarly, material collected near known locations of *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) near Tom Price was identified as *Goodenia pedicellata* (P1). This implies that the two taxa have overlapping distributions, and that *Goodenia pedicellata* (P1) has a much wider distribution than initially thought at the time of its publication (Sage and Dixon 2005).

Examination by staff at the WA Herbarium considered a number of collections from the 2021 survey from the Study Area and nearby areas to the west of the Study Area, and determined that material of the entity from Woodie Woodie clearly represents *Goodenia pedicellata* (P1). Re-examination of material identified as *Goodenia pedicellata* (P1) from near Tom Price also found that the material was not *Goodenia pedicellata* (P1), and should be considered to represent *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3). Furthermore, during the 2021 survey, a visit to the historical record location of *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) from the Footprint also confirmed that this was an erroneous identification; the taxon at this location is also *Goodenia pedicellata* (P1). This confirms that, based on current knowledge, *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) does not overlap in distribution with *Goodenia pedicellata* (P1), with the former now not considered to occur at Woodie Woodie or nearby areas. However, *Goodenia pedicellata* (P1) is once again, based on current knowledge, apparently endemic to the Oakover River catchment near Woodie Woodie, as initially indicated when published (Sage and Dixon 2005).

This taxon was searched for during targeted surveys in 2021. A total of 12,807 individuals of *Goodenia pedicellata* (P1) were recorded at 393 point locations in the Study Area by the 2021 survey, within the central-western part of the Study Area. Of these, 1,411 individuals were recorded at 51 point locations in the Footprint, and an additional 4,699 individuals at 185 point locations in the wider Development Envelope. The recorded locations in the Study Area represent approximately four populations. *Goodenia pedicellata* (P1) was recorded in a total of four VTs (as well as in a small number of areas mapped as 'Rehabilitated'), with VT HG2 considered to represent the taxon's preferred habitat in the Study Area (**Table 5.7**, **Figure 5.5**). This corresponds with data from known records of the taxon, whereby it is predominately recorded in calcareous areas.

A total of 96,524 additional individuals of *Goodenia pedicellata* (P1) were recorded by the 2021 survey at 221 point locations outside the Study Area, predominately in the central-eastern part of regional searching site 1, and between this site and the Study Area (**Table 5.8**, **Figure 5.6**).



Plate 5.5 *Goodenia pedicellata* (P1) (Photos: Umwelt 2021)

5.2.3.5 *Kohautia australiensis* (P2)

Kohautia australiensis (P2) is an erect annual herb growing to 0.1-0.5 m high with terete, papillose branches and blue flowers (**Plate 5.6**) that occurs on areas of calcrete (WA Herbarium 1998-). The taxon is not listed under the EPBC Act or BC Act, but is classified as P2 by DBCA (Smith and Jones 2018). According to DBCA databases, *Kohautia australiensis* (P2) is known from eight records in WA (WA Herbarium 1998-); however, it appears to be more common in NT and Queensland according to AVH (2021). Within WA, this taxon is known from three regional populations, one of which occurs within the Pilbara region (near Karijini National Park), relatively disjunct from the remaining two populations that occur in the Kimberley region (both within DBCA-managed tenure; Wolfe Creek Meteorite Crater and Purnululu National Park) (DBCA 2007-; WA Herbarium 1998-).

Kohautia australiensis (P2) was identified at Woodie Woodie for the first time by the 2021 survey. This taxon was not identified by the desktop assessment (**Section 5.1.5**), and was only identified post-survey; therefore, it was not specifically searched for during targeted surveys in 2021 and counts of individuals were not undertaken. Six locations of this taxon were recorded in the Study Area by the 2021 survey; of these, one was recorded in the Footprint, and an additional three locations were recorded in the wider Development Envelope. These records fill a large locality hole in the known distribution of this taxon. The six locations of *Kohautia australiensis* (P2) occur within four VTs, with VTs HG7 (where this VT occurs in flow lines and other drainage features) and W1 considered to represent the taxon's preferred habitat in the Study Area (**Table 5.7, Figure 5.5**). All locations were in calcareous soils in the vicinity of calcrete hills or outcropping; this aligns with the known habitat preferences of this taxon (WA Herbarium 1998-). However, a number of VTs possess calcrete stones or outcropping, and therefore more data is required to confirm the preferred habitat of this taxon in the Study Area in a VT context.



Plate 5.6 *Kohautia australiensis* (P2) (Photo: scanned specimen, Umwelt 2021)

5.2.3.6 *Lepidium amelum* (P1)

Lepidium amelum (P1) is an erect, glabrous shrub growing to 0.3-1 m high with glaucous, sessile, amplexicaul leaves and white flowers on a terminal racemose inflorescence (**Plate 5.7**). This taxon occurs on stony, calcareous, alkaline soils, in *Triodia wiseana* hummock grassland and low, open *Corymbia* woodland (Lepschi 1998, WA Herbarium 1998-). The taxon is not listed under the EPBC Act or BC Act, but is classified as P1 by DBCA (Smith and Jones 2018). The distribution of *Lepidium amelum* (P1) is restricted to the Oakover River Valley area near Woodie Woodie, over a range of approximately 120 km. This taxon is

known from seven records on DBCA databases representing approximately five regional populations, none of which occur within DBCA-managed tenure (DBCA 2007-, WA Herbarium 1998-).

This taxon was searched for during targeted surveys in 2021. A total of 3,171 individuals of *Lepidium amelum* (P1) were recorded at 373 point locations in the Study Area by the 2020 and 2021 surveys, predominately within the central-western part of the Study Area. Of these, 1,120 individuals were recorded at 84 point locations within the Footprint, and an additional 1,538 individuals at 195 point locations in the wider Development Envelope. The recorded locations in the Study Area represent approximately seven populations. *Lepidium amelum* (P1) was recorded in a total of seven VTs, with VT HG2 considered to represent the taxon's preferred habitat in the Study Area (**Table 5.7, Figure 5.5**). This corresponds with data from known records of the taxon, whereby it is predominately recorded in calcareous areas. This taxon has been previously recorded in the Study Area by Mattiske and MBS (**Section 5.1.5**).

As mentioned in **Section 5.2.2**, all regional survey sites for *Lepidium amelum* (P1) were visited to assess for presence/absence of suitable habitat; however, the taxon was only recorded in regional survey site 1, just west of Woodie Woodie. Regional survey site 3 was surveyed, however, no individuals were located, and sites 2 and 4 were determined to have no suitable habitat, although time and weather-related access constraints prevented a complete assessment of the site 4 area. A total of 12,312 individuals of *Lepidium amelum* (P1) were recorded by the 2021 survey at 441 point locations outside the Survey Area, in the central-eastern part of regional searching site 1, and between this site and the Study Area (**Table 5.8, Figure 5.6**).



Plate 5.7 *Lepidium amelum* (P1) (Photos: Umwelt 2021)

5.2.3.7 *Ptilotus mollis* (P4)

Ptilotus mollis (P4) is a low, compact shrub growing to 0.5 m high with soft grey foliage and pink flowers (**Plate 5.8**) that occurs on stony hill tops and scree slopes (WA Herbarium 1998-). The taxon is not listed under the EPBC Act or BC Act, but is classified as P4 by DBCA (Smith and Jones 2018). *Ptilotus mollis* (P4) is known to occur over a range of approximately 640 km in WA (where it is endemic (AVH 2021)), from Cane River Conservation Park (south-west of Pannawonica) east to near Karlamilyi National Park (DBCA 2007-; WA Herbarium 1998-). This taxon is known from 40 records on DBCA databases representing approximately 32 regional populations, three of which occur within DBCA-managed tenure (Cane River Conservation Park and Karijini National Park) (DBCA 2007-, WA Herbarium 1998-).

Ptilotus mollis (P4) was recorded at Woodie Woodie for the first time by the 2021 survey. While this taxon was not returned by the desktop assessment (**Section 5.1.5**), it was identified in the field prior to targeted surveys in 2021 commencing, and was therefore able to be searched for during these surveys. A total of 65 individuals of *Ptilotus mollis* (P4) were recorded at two point locations in the Study Area by the 2021 survey, specifically on one distinctive, highly eroded rocky hill consisting of chert, calcrete and dolomite, located in the southern extent of the Study Area outside the Development Envelope. These records fill a slight locality hole in the known distribution of this taxon. The recorded locations of *Ptilotus mollis* (P4) occur within VT HG1 (**Table 5.7, Figure 5.5**); however, its habitat requirements are likely very specific, and it is expected that it will only occur on similar, highly eroded hills. No other such hills were identified in the Study Area in 2020 or 2021.



Plate 5.8 *Ptilotus mollis* (P4) (Photos: Woodman Environmental 2020)

5.2.3.8 *Stylidium weeliwollii* (P3)

Stylidium weeliwollii (P3) is a small, glandular, fibrous-rooted annual herb growing to 0.1-0.25 m high with a basal rosette of leaves and dark pink flowers (**Plate 5.9**). This taxon occurs in moist soil on the edges of watercourses and pools (Lowrie and Kenneally 1998; WA Herbarium 1998-). The taxon is not listed under the EPBC Act or BC Act, but is classified as P3 by DBCA (Smith and Jones 2018). *Stylidium weeliwollii* (P3) is known to occur over a range of approximately 425 km in WA (where it is endemic (AVH 2021)), from Mount Augustus to the northeast to east of Indee (DBCA 2007-; WA Herbarium 1998-). This taxon is known from 29 records on DBCA databases representing approximately 14 regional populations, three of which occur within DBCA-managed tenure (Barlee Range Nature Reserve and Mount Augustus National Park) (DBCA 2007-, WA Herbarium 1998-).

Styloidium weeliwollii (P3) was identified at Woodie Woodie for the first time by the 2021 survey. This taxon has not been recorded by previous surveys, was not identified by the desktop assessment (**Section 5.1.5**), and was only identified post-survey; therefore, it was not specifically searched for during targeted surveys in 2021. One individual of this taxon was recorded at one location outside the Development Envelope, on the north-western boundary of the Study Area. This record extends the known distribution of this taxon approximately 160 km to the east. The recorded location of *Styloidium weeliwollii* (P3) occurs within VT W2 (**Table 5.7, Figure 5.5**); however, it is likely that this species will only occur in specific, localised sites in this VT that remain wet for an extended period following significant rainfall.



Plate 5.9 *Styloidium weeliwollii* (P3) (Photo: Morgan Lythe 2020)

5.2.3.9 *Tribulus minutus* (P1)

Tribulus minutus (P1) is a prostrate, usually densely villous herb with yellow flowers and spiny fruits (**Plate 5.10**) that occurs on stony plains and rises (Barker 2020; WA Herbarium 1998-). The taxon is not listed under the EPBC Act or BC Act, but is classified as P1 by DBCA (Smith and Jones 2018). *Tribulus minutus* (P1) occurs in the Northern Territory, South Australia, Queensland, New South Wales and Victoria, with isolated records from the Wheatbelt and Pilbara regions of WA (Barker 2020). However, according to DBCA databases, the taxon is known from only one record in WA, this being approximately 65 km north-northwest of the Study Area in Warrawagine pastoral station (DBCA 2007-). This location does not occur within DBCA-managed tenure.

Tribulus minutus (P1) was identified at Woodie Woodie for the first time by the 2020 and 2021 surveys. A representative specimen of this taxon was sent to the WA Herbarium for identification following completion of the 2020 survey. It was remarked that the taxon belongs to the difficult *Tribulus terrestris* complex, which is not well resolved in the current Flora of Australia treatment. The WA Herbarium assigned

the specimen to *Tribulus minutus* (P1) rather tentatively on the basis that it more or less keys to that species and is a reasonable match for the only other specimen of the species at Perth (Wilson and Rowe PGW 908), which is also from the Nullagine area. However, it is noteworthy that that specimen has not been confirmed by an authority on the genus (M. Hislop *pers. comm.* 2020).

This taxon was searched for during targeted surveys in 2021. A total of 9,457 individuals of *Tribulus minutus* (P1) were recorded at 371 point locations in the Study Area by the 2020 and 2021 surveys, of which 197 individuals were recorded at 45 point locations within the Footprint, and an additional 8,920 individuals at 307 point locations in the wider Development Envelope. The recorded locations in the Study Area represent approximately 28 populations. *Tribulus minutus* (P1) was recorded in a total of nine VTs (as well as in a small number of areas mapped as ‘Cleared’ and ‘Rehabilitated’), with VTs HG1, HG2 and HG12 considered to represent the taxon’s preferred habitat in the Study Area (Table 5.7, Figure 5.5).

A total of 25,107 additional individuals of *Tribulus minutus* (P1) were recorded by the 2021 survey at 104 point locations outside the Survey Area, predominately in the central-eastern part of regional searching site 1, and between this site and the Study Area. A small number of additional individuals were recorded immediately outside the northwestern boundary of the Study Area (Table 5.8, Figure 5.6).

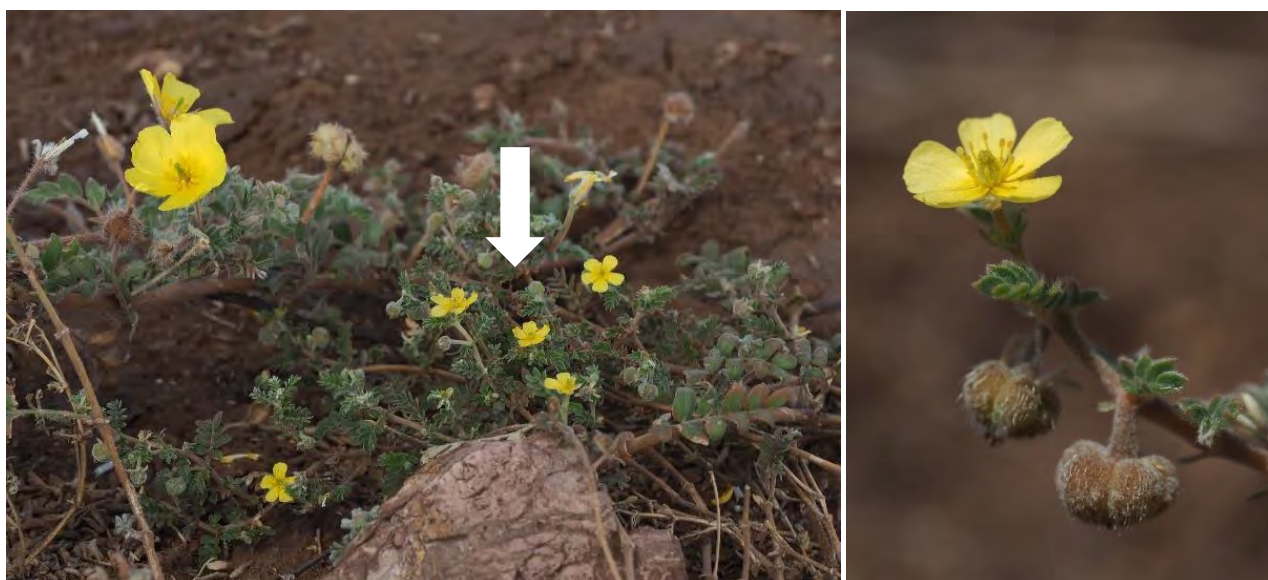


Plate 5.10 *Tribulus minutus* (P1) (Photos: Umwelt 2021)

5.2.4 Other Flora Taxa of Interest

5.2.4.1 *Corchorus* aff. *incanus* (potentially undescribed)

A number of collections were made within the Study Area during surveys in 2020 of an entity that had similar leaf shape as the common taxon *Corchorus parviflorus* but lacked the yellow glandular hairs typical of this species (Plate 5.11) (previously reported by Woodman Environmental (2021) as ‘*Corchorus* sp. (potentially undescribed)’). A representative specimen of this taxon was sent to the WA Herbarium for identification, who remarked that the specimen is not well accommodated by the current taxonomy and may represent an unrecognised taxon (M. Hislop *pers. comm.* 2020). Additional material was collected during surveys in 2021 and submitted to the WA Herbarium, but at the time of writing the taxonomy and affinities of the entity remain unclear. Its leaf character, sepal and petal shape, and vegetative indumentum place it at least close to *Corchorus incanus*; however, it differs from the typical *Corchorus incanus* in its

smaller flowers, strong tendency for the dendritic stellate hairs on the sepals to become dark as flowers age (which is much less, if at all, apparent in specimens of typical *Corchorus incanus*) and for the fruit indumentum to be shorter and sparser. This last character is particularly problematic as the fruit of specimens collected from the Study Area were still most likely immature, and the most developed fruit available had relatively longer hairs. It may be the case that the fruit hairs grow very rapidly towards maturity. If true, then the entity may represent variation within *Corchorus incanus*. However, if the hair difference and smaller size are apparent on mature fruit then there would be a case to recognise this entity as distinct at some level (M. Hislop *pers. comm.* 2021). Mature fruiting material is required to confirm this; despite examination of many individuals across a number of survey visits in 2021, mature fruit could not be located. Therefore, this entity is still considered to potentially represent an undescribed taxon, and is therefore considered to be a significant taxon as per EPA (2016a, 2016b) (**Section 3.9.1**).

A total of 57,551 individuals of *Corchorus aff. incanus* (potentially undescribed) were recorded at 1,981 point locations in the Study Area by the 2020 and 2021 surveys, of which 34,576 individuals were recorded at 1,533 point locations within the Footprint, and an additional 14,414 individuals at 311 point locations in the wider Development Envelope. The recorded locations in the Study Area represent approximately 55 populations. *Corchorus aff. incanus* (potentially undescribed) was recorded in a total of 11 VTs (as well as in a small number of areas mapped as 'Cleared' and 'Rehabilitated'), with VT HG12, and to a lesser extent HG2, considered to represent the taxon's preferred habitat in the Study Area (**Table 5.7, Figure 5.5**). These VTs are strongly influenced by dolomite, which was observed in the field to correspond with high density and abundance of this taxon (this is discussed further below). Note that this taxon was also recorded in relatively large numbers in VT HG11, but this VT is not considered to represent the taxon's preferred habitat; the chert on which VT HG11 occurs in combination with many small expressions of the dolomite outcropping on which VT HG12 occurs, and the scale of VT mapping is not fine enough to cover all these expressions of dolomite. This taxon also occurred sporadically in drainage lines (e.g. in VT W1); often there were small exposures of dolomite, or dolomite colluvium, in these features, which likely explains its presence in these areas.

Within the Study Area, a total of 3,657 ha, or 14 % of the total area of the Study Area, is considered to represent preferred habitat for *Corchorus aff. incanus* (potentially undescribed). Of this, 291 ha is mapped within the Footprint. The distribution of preferred habitat for this taxon in the Study Area is presented on **Figure 5.7**.

As mentioned in **Section 5.2.2**, only one regional survey site identified for *Corchorus aff. incanus* (potentially undescribed) was visited (regional survey site A) for the 2021 survey. No suitable habitat was identified at this site; however, time and weather-related access constraints prevented a complete assessment in this area. The remaining two regional survey sites for this taxon (sites B and C) could not be visited due to weather-related access constraints. However, *Corchorus aff. incanus* (potentially undescribed) was recorded widely and in large numbers in the *Lepidium amelum* regional survey sites 1 and 3. A total of 36,510 additional individuals of *Corchorus aff. incanus* (potentially undescribed) were recorded by the 2021 survey at 89 point locations within these sites. A small number of additional individuals were recorded immediately outside the southern and north-western boundary of the Study Area (**Table 5.8, Figure 5.6**).



Plate 5.11 *Corchorus* aff. *incanus* (potentially undescribed) (Photos: Umwelt 2021)

In addition to recording of point locations, to estimate the population size and extent of *Corchorus* aff. *incanus* (potentially undescribed) in and within the vicinity of the Study Area, 45 population density quadrats were established in the Study Area by the 2021 survey to estimate the density of *Corchorus* aff. *incanus* (potentially undescribed) individuals, as per the requirements of EPA (2016b). These quadrats were established in areas identified in the field as typical habitat for this taxon; these were overwhelmingly placed in areas of outcropping dolomite, with one established in an area of calcrete outcropping. As mentioned above, such areas were subsequently mapped as VTs HG12 and HG2 respectively, and represent the preferred habitat for this taxon. The raw data collected in these quadrats and information on quadrat parameters is presented in **Appendix I**. A summary of the average density and estimated number of individuals of *Corchorus* aff. *incanus* (potentially undescribed) within the Study Area is presented in **Table 5.9**.

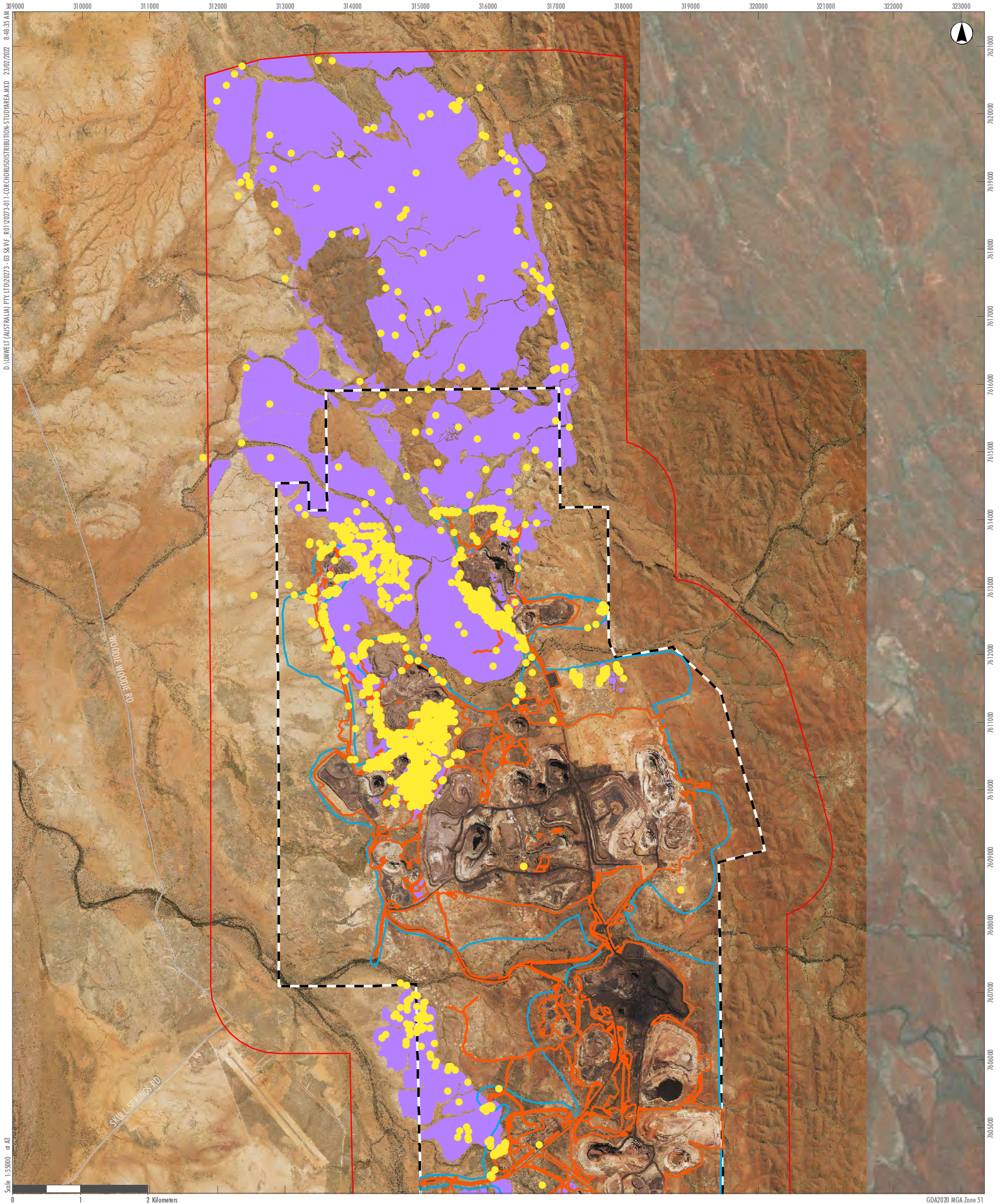
Using data collected from the population density quadrats and the mapped extent of the taxon's preferred habitat in the Study Area (i.e. VTs HG2 and HG12), the number of individuals of *Corchorus* aff. *incanus* (potentially undescribed) within the Study Area is estimated to be approximately 1,941,146. Note that as previously discussed, and as presented in **Table 5.7**, the taxon has been recorded in other VTs in the Study Area; therefore, this estimate is considered to be conservative.

Table 5.9 Average Density and Estimated Number of *Corchorus aff. incanus* (potentially undescribed) Individuals in the Study Area

| Vegetation Type* | Number of Quadrats | Count in Quadrat [^] | | | Average Density (plants per ha) | Mapped Extent of VT (ha) | Estimated Plant Count Across All Occurrences of VT | Estimated Plant Count Within Preferred Habitat |
|------------------|--------------------|-------------------------------|---------|---------|---------------------------------|--------------------------|--|--|
| | | Minimum | Maximum | Average | | | | |
| HG2 | 1 | - | - | 36 | 144 | 333.1 | 47,962 | 1,941,146 |
| HG12 | 44 | 9 | 377 | 142 | 570 | 3,324.0 | 1,893,184 | |

* Refer to **Section 5.2.8** for VT descriptions.

[^] Quadrats measured 50 m × 50 m, and thus sampled an area of 2,500 m².



D:\UMWELT (AUSTRALIA) PTY LTD\2023-03 SAVE_R01\2023-01-CORCHORUS DISTRIBUTION-STUDYAREA.MXD 23/02/2023 8:48:35 AM
 Scale: 1:55000 at A3

GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Roads
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - *Corchorus* aff. *incanus* (potentially undescribed)
 - Preferred Habitat for *Corchorus* aff. *incanus* (potentially undescribed)

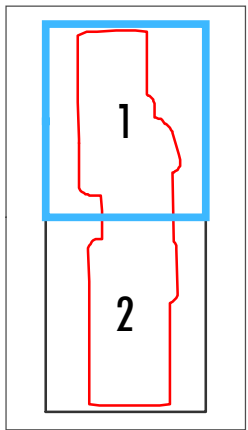
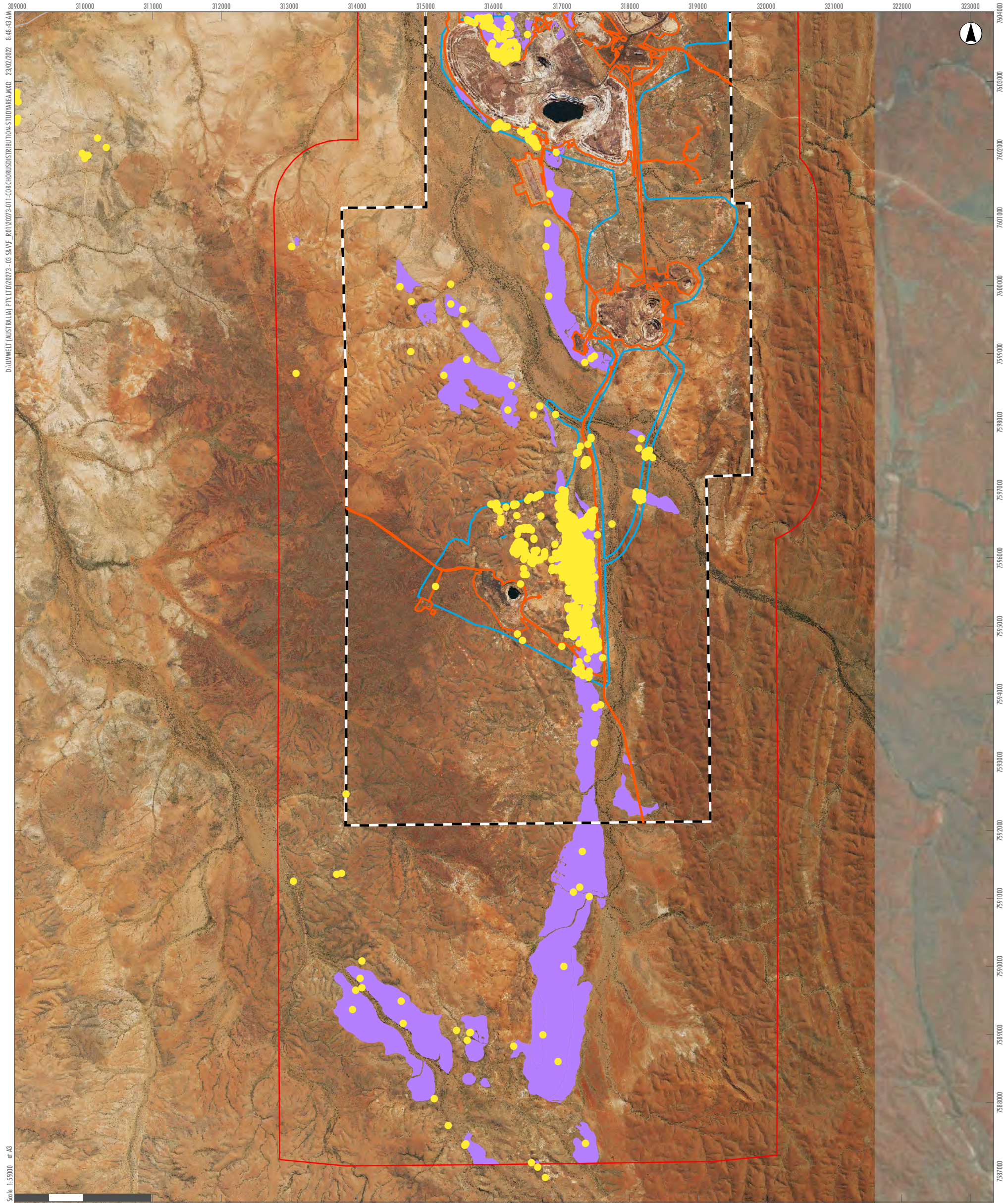


FIGURE 5.7

Distribution of Preferred Habitat for *Corchorus* aff. *incanus* (potentially undescribed) in the Study Area



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 Scale: 1:5000 at A3

- Legend**
- Study Area
 - Development Envelope
 - Roads
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - *Corchorus* aff. *incanus* (potentially undescribed)
 - Preferred Habitat for *Corchorus* aff. *incanus* (potentially undescribed)

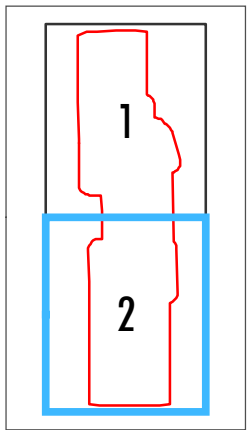


FIGURE 5.7

Distribution of Preferred Habitat for *Corchorus* aff. *incanus* (potentially undescribed) in the Study Area

5.2.4.2 *Heliotropium* aff. *argyreum* (potentially undescribed)

A number of collections were made within the Study Area by the 2020 survey of an entity that was identified as *Heliotropium ovalifolium* (Plate 5.12). Since this survey, an adaptation of the 1996 *Heliotropium* key (Craven 1996) was released that is specific to taxa occurring in WA, and includes several additional species published subsequent to the initial treatment (KeyBase 2021). Using this updated key, material of the same entity collected for the 2021 survey keyed to *Heliotropium argyreum*, which was previously considered to be an atypical form of *Heliotropium ovalifolium*. According to DBCA databases, *Heliotropium argyreum* is currently only known from one location recorded in 1958 on Hillside-Woodstock Road, near Woodstock Homestead, approximately 230 km west of the Study Area.

A representative specimen of the entity collected in the Study Area was sent to the WA Herbarium for identification, who remarked that the specimen differs from the single collection of *Heliotropium argyreum* in some aspects that may be taxonomically important, including that the mericarps, which are approximately 2 mm long, are significantly longer than the figure of 1.2 mm given by Craven (2005) in the protologue for the species. In addition, the mericarp hairs are much shorter than the given 0.5 mm upper limit. Given *Heliotropium argyreum* was described from a single specimen, it is possible that insufficient material was assessed to properly circumscribe the new taxon, especially in regard to fruiting characters. Alternatively, the entity recorded at Woodie Woodie may not be conspecific with the type of *Heliotropium argyreum* (M. Hislop, pers. comm. 2021). Additional material is required to confirm the entity's identity, and it therefore potentially represents an undescribed taxon and is considered to be a significant taxon as per EPA (2016a, 2016b) (Section 3.9.1).

It is worthy of note that inspection of specimen material from Woodman Environmental collections made in 2013/2014 (i.e. before publication of the new *Heliotropium* key) at Corunna (approximately 155 km west of the Study Area) and for the McPhee Creek Rail Project (survey area approximately 120 km west of the Study Area) that were identified as *Heliotropium ovalifolium* appear to match the material of *Heliotropium* aff. *argyreum* (potentially undescribed) collected in the Study Area, including in the mericarp characters noted above. Given the proximity of these records to Woodstock Station, it seems likely that this entity is conspecific with *Heliotropium argyreum*, rather than representing an undescribed taxon, but collection of more material from the type area of *Heliotropium argyreum* is required to confirm this. In any case, based on current knowledge, if all records of this entity were considered to be *Heliotropium argyreum* it would likely still be considered of conservation significance given the small number of known populations.

While *Heliotropium* aff. *argyreum* (potentially undescribed) was not searched for by the 2020 and 2021 surveys, it was recorded widely throughout the Study Area, and generally appeared to show a habitat preference similar to that of *Corchorus* aff. *incanus* (potentially undescribed) (i.e. predominately areas with a strong dolomite influence). This taxon was recorded in a total of 13 VTs (as well as in a small number of areas mapped as 'Rehabilitated'), with VT HG12, and to a lesser extent HG1 and W1, considered to represent the taxon's preferred habitat in the Study Area (Table 5.7, Figure 5.5).



Plate 5.12 *Heliotropium* aff. *argyream* (potentially undescribed) (Photo: scanned specimen, Umwelt 2021)

5.2.4.3 Distribution Extensions and Distribution Gaps

Table 5.10 presents taxa where the collections from the Study Area from the 2020 and 2021 surveys represent extensions (greater than approximately 50 km) to the known distribution of such taxa, or otherwise fill gaps within their known distributions, according to *NatureMap* (DBCA 2007-). **Table 5.10** also indicates whether these taxa have been recorded by previous surveys within or in the vicinity of the Study Area. Where taxa listed in **Table 5.10** have been recorded by previous surveys, this indicates that material has not been submitted to the WA Herbarium for lodgement, or the WA Herbarium has not lodged submitted specimens (in accordance with its own requirements).

A total of 41 taxa recorded during the 2020 and 2021 surveys represent range extensions or fill gaps within their known distributions. Specimen material from these taxa will be lodged at the WA Herbarium by Umwelt as per the requirements of EPA (2016b), where such material is of sufficient quality.

Note that although collections of taxa that are ‘representative of the range of a species (particularly, at the extremes of range, recently discovered range extensions, or isolated outliers of the main range)’ can be considered significant taxa as per EPA (2016a, 2016b), none of the taxa listed in **Table 5.10** are considered to be significant taxa in this context (with the exception of significant flora taxa discussed in **Section 5.2.2**).

Table 5.10 Native Taxa Where Collections Represent Range Extensions to the Known Ranges of these Taxa or Fill Distribution Gaps (DBCA 2007-)

| Taxon | Description | Recorded Previously* | 2020 Survey | 2021 Survey |
|---|---------------------------------------|----------------------|-------------|-------------|
| <i>Abutilon cunninghamii</i> | Range extension | Y – Matiske | | x |
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | Locality hole | Y – Matiske | x | x |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | Slightly extends edge of distribution | Y – Matiske; MBS | x | x |
| <i>Acacia pruinocarpa</i> | Locality hole | Y – Matiske | x | x |
| <i>Aristida pruinosa</i> | Locality hole | N | | x |
| <i>Atalaya hemiglauca</i> | Slightly extends edge of distribution | Y – Matiske; MBS | x | x |
| <i>Corchorus parviflorus</i> | Range extension | Y – Matiske; MBS | | x |
| <i>Cullen lachnostachys</i> | Locality hole | Y – Matiske | x | x |
| <i>Cynodon convergens</i> | Locality hole | Y – Matiske | x | x |
| <i>Dactyloctenium radulans</i> | Locality hole | Y – Matiske; MBS | x | x |
| <i>Enneapogon cylindricus</i> | Slightly extends edge of distribution | N | | x |
| <i>Eremophea spinosa</i> | Slightly extends edge of distribution | Y – Matiske | x | x |
| <i>Eremophila galeata</i> | Range extension | N | | x |
| <i>Eriachne obtusa</i> | Locality hole | Y – Matiske; MBS | x | x |
| <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> (P2) | Range extension | N | | x |
| <i>Gossypium robinsonii</i> | Slightly extends edge of distribution | Y – Matiske; MBS | x | x |
| <i>Hibiscus brachychlaenus</i> | Locality hole | N | x | x |
| <i>Indigofera trita</i> subsp. <i>trita</i> | Slightly extends edge of distribution | Y – Matiske; MBS | x | x |
| <i>Josephinia eugeniae</i> | Locality hole | N | | x |
| <i>Kohautia australiensis</i> (P2) | Locality hole | N | | x |
| <i>Lawrenzia densiflora</i> | Range extension | Y – Matiske | x | x |
| <i>Maireana tomentosa</i> subsp. <i>tomentosa</i> | Slightly extends edge of distribution | Y – Matiske | x | |
| <i>Phyllanthus erwinii</i> | Slightly extends edge of distribution | N | | x |
| <i>Pluchea ferdinandi-muelleri</i> | Locality hole | Y – Matiske; MBS | x | x |
| <i>Portulaca decipiens</i> | Locality hole | N | x | x |
| <i>Portulaca filifolia</i> | Locality hole | N | | x |
| <i>Ptilotus mollis</i> (P4) | Locality hole | N | | x |

| Taxon | Description | Recorded Previously* | 2020 Survey | 2021 Survey |
|---|---------------------------------------|----------------------|-------------|-------------|
| <i>Ptilotus murrayi</i> | Range extension | N | | x |
| <i>Santalum lanceolatum</i> | Locality hole | Y – Matiske; MBS | x | x |
| <i>Sclerolaena cuneata</i> | Slightly extends edge of distribution | N | x | |
| <i>Sclerolaena lanicuspis</i> | Range extension | Y – Matiske; MBS | x | x |
| <i>Seringia nephrosperma</i> | Locality hole | Y – Matiske | x | x |
| <i>Seringia exastia</i> (T) | Locality hole | N | x | x |
| <i>Stylidium weeliwollii</i> (P3) | Range extension | N | | x |
| <i>Stylobasium spathulatum</i> | Locality hole | N | x | x |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | Locality hole | Y – Matiske; MBS | x | x |
| <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | Locality hole | N | x | x |
| <i>Tribulopsis angustifolia</i> | Locality hole | Y – Matiske | x | x |
| <i>Tribulus minutus</i> (P1) | Locality hole | N | x | x |
| <i>Triumfetta chaetocarpa</i> | Slightly extends edge of distribution | Y – Matiske; MBS | x | x |
| <i>Zaleya galericulata</i> subsp. <i>galericulata</i> | Locality hole | N | | x |

* Sources are:

Matiske – Matiske (2007b, 2007d, 2007f, 2008c, 2019c, 2020)

MBS – MBS (2010).

5.2.5 Likelihood of Occurrence of Further Significant Flora Taxa

As discussed in **Section 5.1.5**, a total of 12 listed significant flora taxa were identified as occurring within the Desktop Study Area prior to survey (all DBCA-classified Priority flora). Of these, four were recorded within the Study Area by the 2020 and 2021 surveys, while five were recorded for the first time by the 2020 and 2021 surveys (**Section 5.2.2**). **Table 5.11** presents an assessment of the likelihood of the remaining taxa occurring in the Study Area and Footprint. This assessment considered whether a taxon was identifiable at the time of survey, the known range of the taxon and proximity of known records to the Study Area when determining the potential for a taxon to occur in the Study Area. It is worthy of note that suitable habitat has been determined using details recorded at known locations. However, for many of the taxa known from the general vicinity of the Study Area, suitable habitat is difficult to define, as available habitat information is often vague or very broad and difficult to interpret; for example an area described as a plain with red-brown clay loam could feasibly occur almost anywhere in WA. Therefore, a precautionary approach has been adopted when assessing whether suitable habitat for a species is present in the Study Area.

Note that *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) has not been listed in **Table 5.11**; as discussed in **Section 5.2.3.4**, this taxon is no longer considered to occur in the Woodie Woodie area, and all records of *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) in the area represent *Goodenia pedicellata* (P1), which was recorded by the 2020 and 2021 surveys.

It is considered that all of the remaining seven taxa were identifiable during the 2020 and 2021 survey periods, either because the survey periods coincided with the taxon's flowering period or the taxon can be identified reliably when in fruit or sterile. Of these, it is considered that one Priority flora taxon, *Eragrostis*

lanicaulis (P3), could potentially still occur in the Study Area, despite being identifiable at the time of the 2020 and 2021 surveys, based on suitable habitat occurring or potentially occurring in the Study Area, and the Study Area being within the known range of the taxon or generally within close proximity to its known range (**Table 5.11**). However, it is considered unlikely that *Eragrostis lanicaulis* (P3) is present within the Footprint. This taxon has not been recorded in the Footprint despite intensive survey having been conducted by the 2021 survey. The remaining six taxa are considered unlikely to occur in the Study Area; in most cases, no suitable habitat is considered to be present.

Note that *Aristida jerichoensis* var. *subspinulifera* (P3) has been previously recorded at Woodie Woodie by Mattiske (2007b, 2007f), but has not been recorded by any subsequent surveys or by the 2020 or 2021 surveys. It was not possible to validate the historical records of this taxon during this current survey, as both known locations had previously been cleared. It is also apparent that no material of this taxon collected by Mattiske in 2007 has ever been lodged at the WA Herbarium. Considering that no further locations of this taxon were recorded during the 2020 or 2021 surveys despite high intensity targeted searching over the Footprint, it is considered likely that the historical identification of this taxon at Woodie Woodie is erroneous. It is considered probable that these records actually represented *Aristida pruinosa* (which was recorded in the Study Area by the 2020 and 2021 surveys), which has been historically confused with *Aristida jerichoensis* var. *subspinulifera* (P3) in other parts of the Pilbara. Furthermore, based on current knowledge, this taxon is only known to occur in the southern Pilbara and areas further south (DBCA 2007-), where it is more or less restricted to flats dominated by Mulga species; such habitat does not occur within the Study Area. Therefore, as listed in **Table 5.11**, this taxon is considered unlikely to occur in the Study Area.

Table 5.11 Likelihood of Occurrence of Further Significant Flora Taxa in the Study Area and Footprint

| Taxon | Status (WA) | Flowering Period* | Habitat* | Identifiable During Survey? | Nearest Known Location to Study Area [^] | Likelihood of Occurrence in Study Area | Likelihood of Occurrence in Footprint |
|---|-------------|-------------------------|---|-----------------------------|---|--|--|
| <i>Acacia fecunda</i> | P1 | April to May, August | Red-brown sandy loam or grey clay, sometimes with granite or colluvium. Crests, slopes and drainage lines | Y | Approx. 50 km to west | Unlikely – taxon only known from two disjunct locations and grows in areas underlain by Mosquito Creek sedimentary rocks. It is not expected that this taxon has a particularly extensive geographic range (Maslin and van Leeuwen 2008) | Unlikely – taxon only known from two disjunct locations and grows in areas underlain by Mosquito Creek sedimentary rocks. It is not expected that this taxon has a particularly extensive geographic range (Maslin and van Leeuwen 2008) |
| <i>Aristida jerichoensis</i> var. <i>subspinulifera</i> | P3 | March to July | Red, orange or brown clay loam, sometimes with ironstone. Slopes, plains, clay pans and cracking clay flats | Y | Approx. 200 km to southwest | Unlikely – taxon not considered to occur in the Woodie Woodie area | Unlikely – taxon not considered to occur in the Woodie Woodie area |
| <i>Dampiera atriplicina</i> | P3 | July to September | Red or brown sand. Sand dunes and plains | Y | Approx. 8.4 km to north-northeast | Unlikely – habitat not considered to be present | Unlikely – habitat not considered to be present |
| <i>Eragrostis lanicaulis</i> | P3 | March to May, September | Red or grey sand or sandy clay. Gullies, sandplains, clay flats and edges of salt lakes | Y | Approx. 8.4 km to north-northeast | Possible – habitat possibly present, Study Area within known distribution | Unlikely –intensive survey conducted in the Footprint by the 2021 survey did not record this taxon |
| <i>Goodenia hartiana</i> | P2 | May to September | Red sand. Sand dunes and swales | Y | Approx. 23 km to east | Unlikely – habitat not considered to be present | Unlikely – habitat not considered to be present |
| <i>Indigofera ammobia</i> | P3 | March to October | Red or brown sand. Sand dunes and plains | Y | Approx. 33 km to east | Unlikely – habitat not considered to be present | Unlikely – habitat not considered to be present |
| <i>Sauropus arenosus</i> | P3 | May to September | Red-brown sand. Sand dunes | Y | Approx. 24 km to north | Unlikely – habitat not considered to be present | Unlikely – habitat not considered to be present |

* WA Herbarium (1998-).

[^] As per *NatureMap* (TPFL and WA Herbarium Databases) (DBCA 2007-).

5.2.6 Introduced Flora Taxa

A total of 18 introduced flora taxa were recorded by the 2020 and 2021 surveys of the Study Area. These taxa are listed in **Table 5.12**, together with location information, and comments regarding the significance of such taxa, including ecological impact and invasiveness ratings for each introduced taxon under the *Ecological Impact and Invasiveness Ratings from the Department of Parks and Wildlife for the Pilbara Region* (DBCA 2014). Note that *Citrullus ?colocynthis* is not included in the total introduced flora taxa count, as *Citrullus colocynthis* was also recorded in the Study Area (**Table 5.12**). One Declared Pest listed under the BAM Act (**Calotropis procera*) was recorded in the Study Area by the 2020 and 2021 surveys. No WoNS were recorded (**Table 5.12**).

Introduced flora taxa were generally most abundant around areas associated with disturbance (recent and historical) and grazing (**Section 5.2.12**), or in areas that experience periodic inundation, including drainage lines.

Five introduced taxa recorded in the Study Area by the 2020 and 2021 surveys have not been rated for ecological impact and invasiveness by DBCA (2014) (**Table 5.12**). As noted above, **Calotropis procera* is listed under the BAM Act as a Declared Pest under status s22(2) (exempt) (DPIRD 2021b) and is considered a widespread, serious weed (Hussey *et al.* 2007). The remaining four taxa are not listed as a Declared Pests or a WoNS, and according to Hussey *et al.* (2007), are not considered to be serious weeds, with the exception of **Trianthema portulacastrum* that can be a serious weed in irrigated crops.

One introduced taxon recorded in the Study Area by the 2020 and 2021 surveys is rated as having 'Low' ecological impact (**Solanum nigrum*) (**Table 5.12**). Taxa with this ecological impact rating are typically cosmopolitan species that generally cause minimal disruption to ecological processes or loss of biodiversity (DBCA 2014). **Solanum nigrum* is considered a common weed of gardens, horticultural crops, wastelands, disturbed woodlands, pastures, creeklines and wetlands from Broome to Albany, and is not considered to be a serious weed (Hussey *et al.* 2007).

Seven introduced flora taxa recorded in the Study Area by the 2020 and 2021 surveys are rated as having 'High' ecological impact (**Table 5.12**). Taxa with this ecological impact rating are considered significant weeds capable of causing acute disruption of ecological processes, as well as dominating and/or significantly altering the vegetation structure, composition and function of ecosystems (DBCA 2014). Of these, **Aerva javanica* and **Cenchrus ciliaris* were recorded at a large number of locations (**Table 5.12**), and in some cases (and particularly for **Cenchrus ciliaris*), at high densities (**Appendix J**).

The majority of introduced taxa recorded in the Study Area by the 2020 and 2021 surveys are rated as having 'Rapid' invasiveness in native vegetation (**Table 5.12**) (DBCA 2014). These taxa are typically disturbance opportunists and are relatively common around disturbance areas associated with mining, and as well as along drainage lines and other areas of periodic inundation.

Locations of introduced flora taxa recorded by the 2020 and 2021 surveys are presented on **Figure 5.8** and in **Appendix J**.

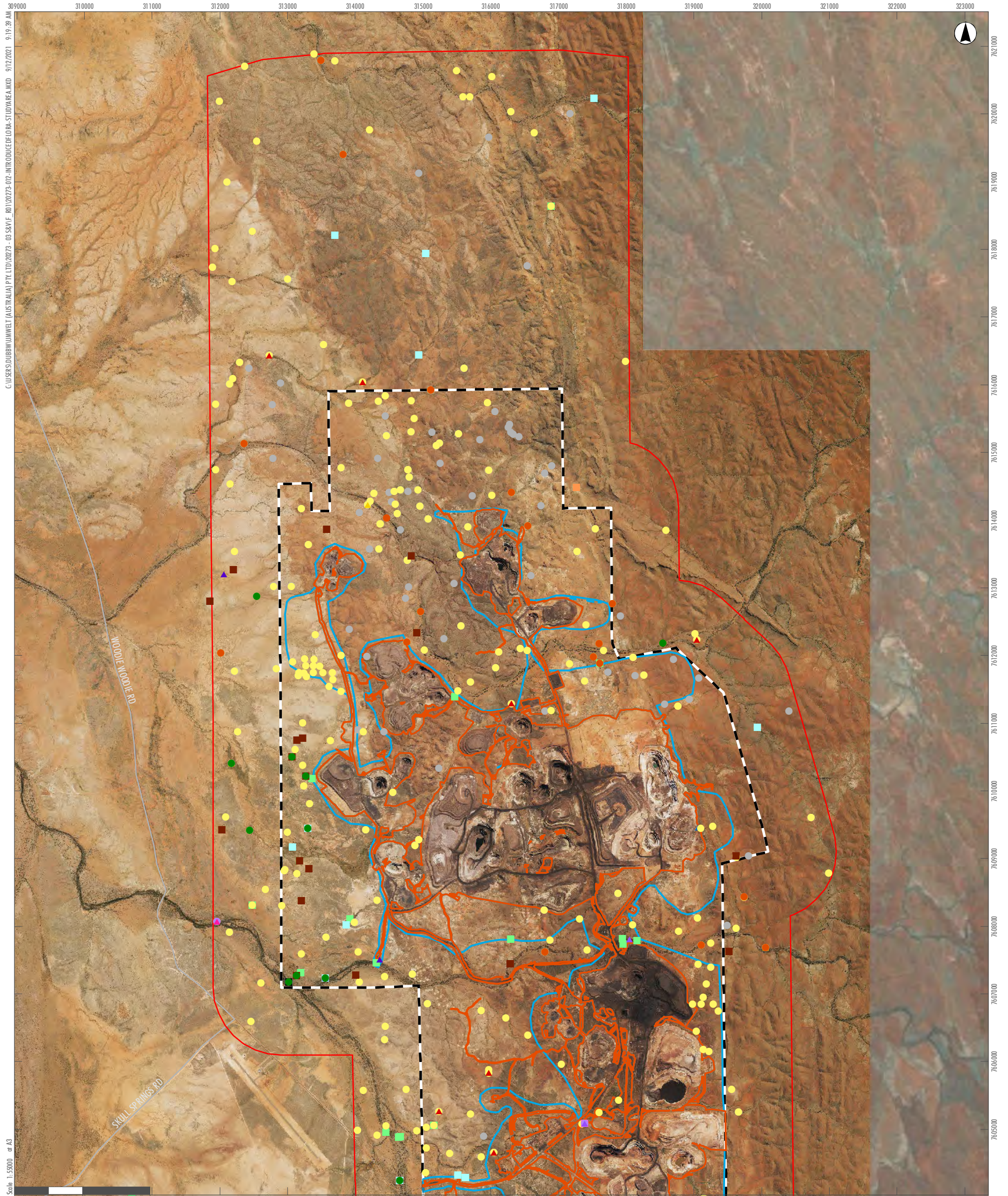
Table 5.12 Summary of Introduced Flora Taxa Recorded by the 2020 and 2021 Surveys Within the Study Area

| Taxon | Common Name | Number of Locations (2020 and 2021) | VTs* | Significance | Ecological Impact (DBCA 2014) | Invasiveness (DBCA 2014) |
|---|----------------------|-------------------------------------|--|---|-------------------------------|--------------------------|
| <i>Aerva javanica</i> | Kapok Bush | 255 | HG1, HG2, HG3, HG4, HG5, HG6, HG7, HG8, HG9, HG10, HG11, HG12, S2, TG1, W1, W2, C, R | | High | Rapid |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | Mexican Poppy | 6 | HG1, W1, W2 | | Unknown | Rapid |
| <i>Calotropis procera</i> | Calotrope | 43 | HG1, HG4, HG7, HG8, HG12, S2, TG1, W1, W2 | Declared Pest | - | - |
| <i>Cenchrus ciliaris</i> | Buffel Grass | 404 | HG1, HG2, HG3, HG4, HG5, HG6, HG7, HG8, HG9, HG10, HG11, HG12, S1, S2, TG1, W1, W2, C, R | Considered by the States and Territories to pose a particularly significant threat to biodiversity (DAWE 2020, 2021a) | High | Rapid |
| <i>Cenchrus setiger</i> | Birdwood Grass | 13 | HG1, HG3, HG4, S2, TG1, W2 | | High | Rapid |
| <i>Citrullus amarus</i> | Pie Melon | 44 | HG3, HG4, HG5, HG8, HG12, S2, TG1, W1, W2 | | Unknown | Moderate |
| <i>Citrullus colocynthis</i> | Colocynth | 20 | HG1, HG4, HG7, HG8, HG11, S2, TG1, W1, W2 | | Unknown | Moderate |
| <i>Citrullus ?colocynthis</i> | Colocynth | 1 | W1 | | - | - |
| <i>Cynodon dactylon</i> | Couch | 5 | HG1, W2 | | High | Rapid |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | Native Thornapple | 7 | HG1, W2 | | Unknown | Unknown |
| <i>Heliotropium europaeum</i> | Common Heliotrope | 2 | HG1, HG7 | | - | - |
| <i>Malvastrum americanum</i> | Spiked Malvastrum | 21 | HG4, HG12, S2, W1, W2 | | High | Rapid |
| <i>Rumex vesicarius</i> | Ruby Dock | 2 | W2 | | - | - |
| <i>Setaria verticillata</i> | Whorled Pigeon Grass | 2 | W2 | | High | Rapid |

| Taxon | Common Name | Number of Locations (2020 and 2021) | VTs* | Significance | Ecological Impact (DBCA 2014) | Invasiveness (DBCA 2014) |
|----------------------------------|------------------------|-------------------------------------|--------------------------------|--------------|-------------------------------|--------------------------|
| <i>Solanum nigrum</i> | Black Berry Nightshade | 1 | W2 | | Low | Rapid |
| <i>Sonchus oleraceus</i> | Common Sowthistle | 1 | W2 | | - | - |
| <i>Trianthema portulacastrum</i> | Giant Pigweed | 4 | HG1, W2 | | - | - |
| <i>Tribulus terrestris</i> | Caltrop | 21 | HG1, HG4, HG6, HG8, S2, W1, W2 | | Unknown | Moderate |

* Refer to **Section 5.2.8** for VT descriptions.

- Taxon has not been assessed for ecological impact and invasiveness by DBCA (2014).



- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Roads
- Introduced Flora**
- *Aerva javanica*
 - ▲ *Argemone ochroleuca* subsp. *ochroleuca*
 - *Calotropis procera*
 - *Cenchrus ciliaris*
 - ▲ *Cenchrus setiger*
 - *Citrullus amarus*
 - ▲ *Citrullus colocynthis*
 - ▲ *Citrullus ? colocynthis*
 - *Cynodon dactylon*
 - *Datura leichhardtii* subsp. *leichhardtii*
 - ▲ *Heliotropium europaeum*
 - *Malvastrum americanum*
 - *Rumex vesicarius*
 - ▲ *Setaria verticillata*
 - *Solanum nigrum*
 - *Sonchus oleraceus*
 - ▲ *Trianthema portulacastrum*
 - *Tribulus terrestris*
 - *Vachellia farnesiana*

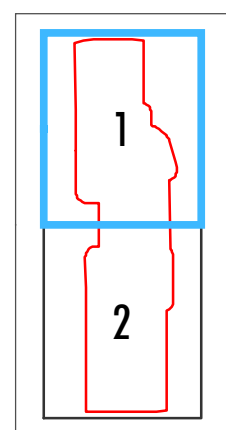
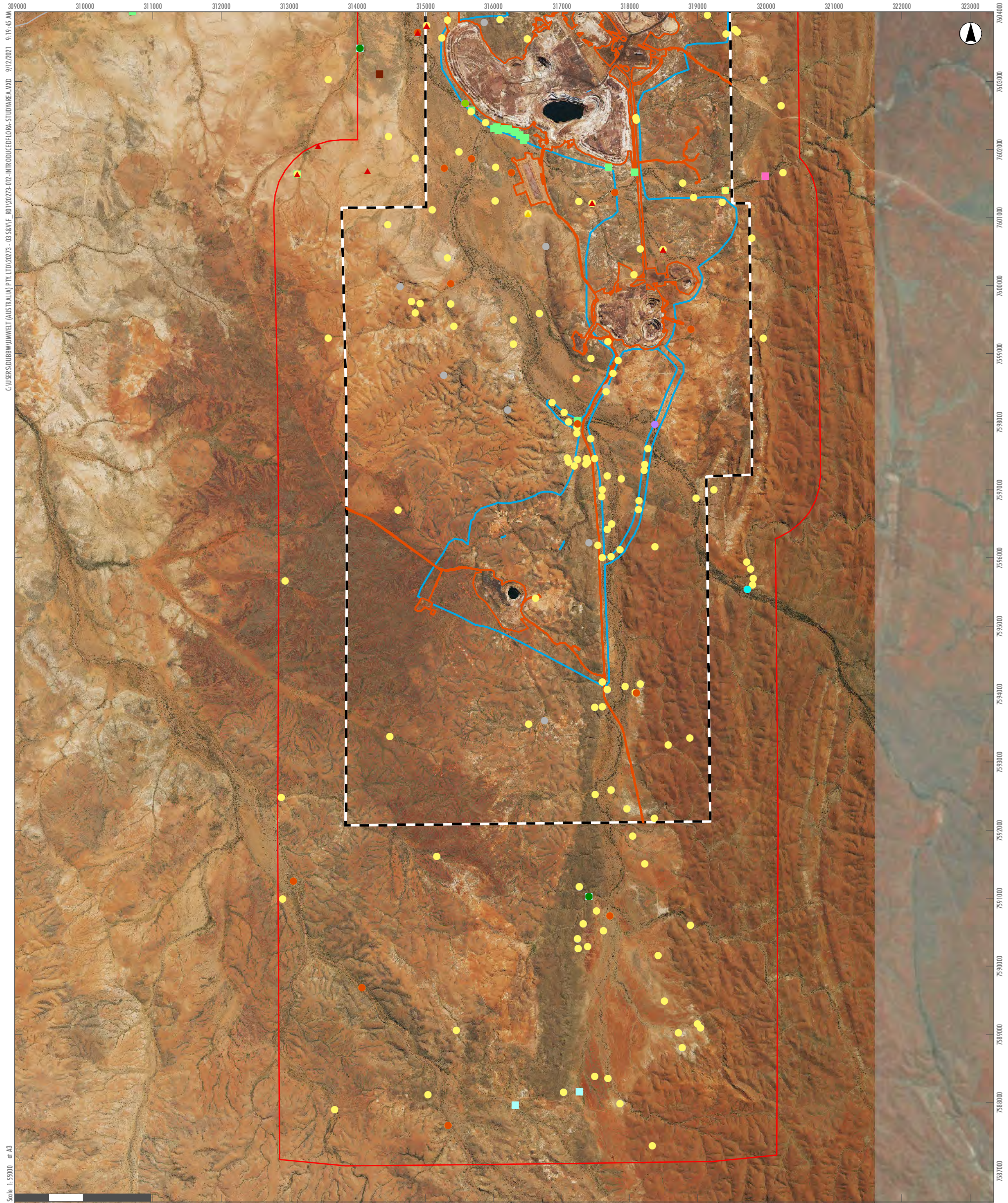


FIGURE 5.8
Introduced Flora Recorded by the
2020 and 2021 Surveys



C:\USERS\DUBBW\UMWELT (AUSTRALIA) PVT.LTD\20273-02-INTRODUCED FLORA-STUDYAREA.MXD 9/12/2021 9:19:45 AM

Scale: 1:50000 at A3

GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Roads
- Introduced Flora**
- *Aerva javanica*
 - ▲ *Argemone ochroleuca* subsp. *ochroleuca*
 - *Calotropis procera*
 - *Cenchrus ciliaris*
 - ▲ *Cenchrus setiger*
 - *Citrullus amarus*
 - ▲ *Citrullus colocynthis*
 - ▲ *Citrullus ? colocynthis*
 - *Cynodon dactylon*
 - *Datura leichhardtii* subsp. *leichhardtii*
 - ▲ *Heliotropium europaeum*
 - *Malvastrum americanum*
 - *Rumex vesicarius*
 - ▲ *Setaria verticillata*
 - *Solanum nigrum*
 - *Sonchus oleraceus*
 - ▲ *Trianthema portulacastrum*
 - *Tribulus terrestris*
 - *Vachellia farnesiana*

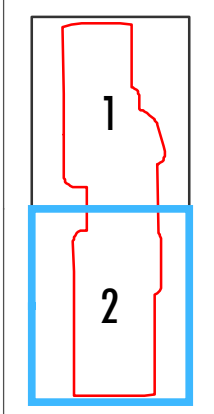


FIGURE 5.8

Introduced Flora Recorded by the 2020 and 2021 Surveys

5.2.7 Floristic Classification Results

The PATN software package (Belbin and Collins 2009) initially suggested that classification of quadrats into 23 groups may be appropriate for the data analysed. The resulting dendrogram (presented in **Appendix K**) and taxon group matrix (**Appendix L**) were therefore initially examined at this level, to determine the plausibility of groups with regard to taxon groups as well as field observations. This process identified several groups of quadrats that did not represent plausible VTs based on field observations and site knowledge. These groups contained quadrats that were found to have sampled recently burnt vegetation, disturbed vegetation, or were spatially located within the interface of two VTs and therefore possessed taxa common to both. These quadrats were manually reassigned to closely related groups, as indicated in **Appendix M**, based on detailed investigation of their species composition, as well other characteristics including topography, soils, and geographic location. The examination of the dendrogram also identified an additional 21 quadrats that were considered to have been misclassified, for similar reasons. These quadrats were also reassigned, as presented in **Appendix M**. Additionally, there were two cases where adjacent groups (as delineated by PATN) were considered to represent the same VT and were consequently combined, with time since fire, and the consequential influence on taxon composition, apparently differentiating these groups.

It was ultimately determined that there were 17 plausible groups that are considered to represent VTs in the Study Area; these groups were resolved at differing levels of similarity. The groups are labelled in the dendrogram in **Appendix K**. The initial 23 groups identified by the analysis are also indicated on the dendrogram in **Appendix K**.

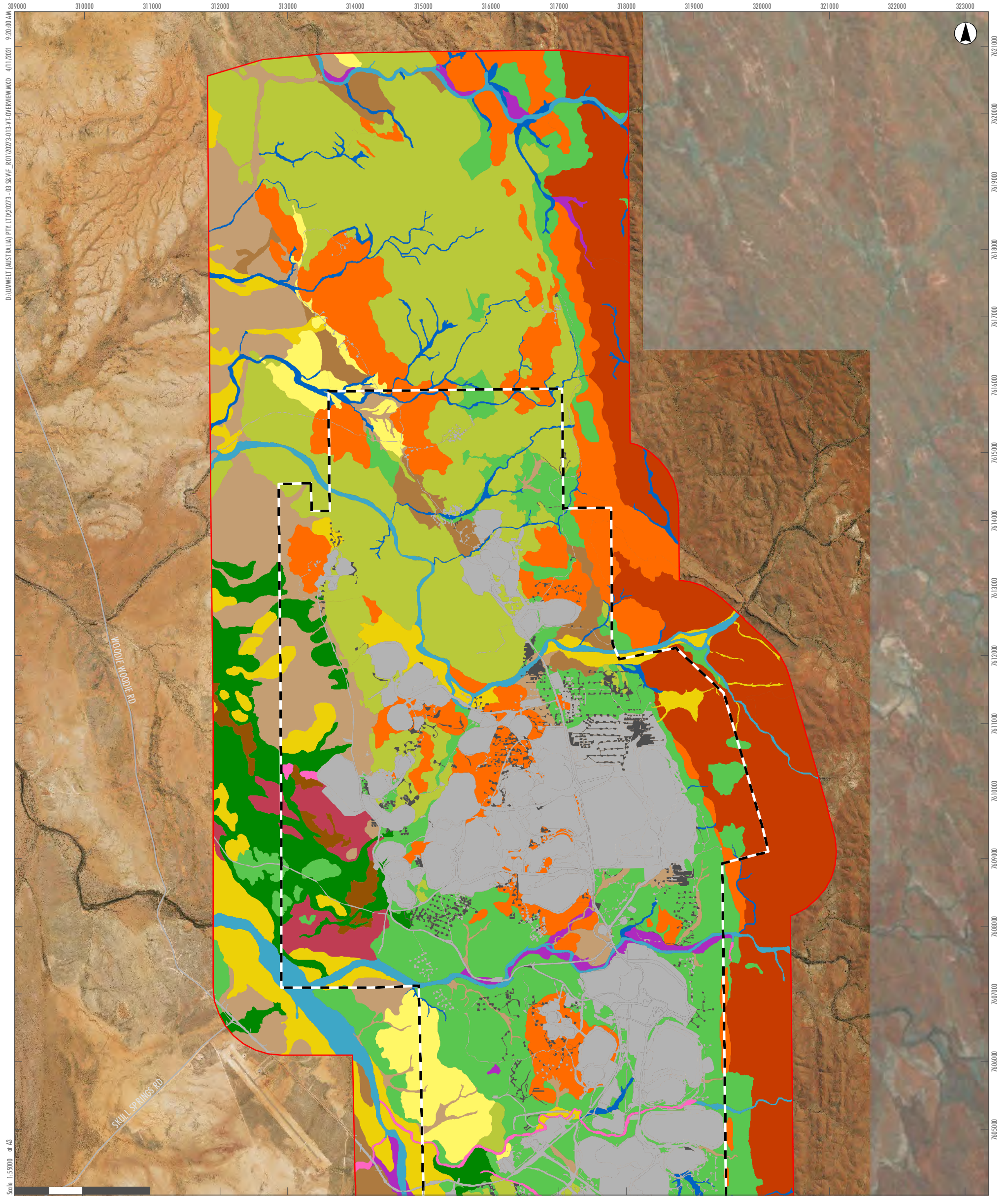
5.2.8 Vegetation Types

As noted above, 17 VTs were defined in the Study Area by the 2020 and 2021 surveys via floristic composition classification and subsequent examination of quadrat data. The VTs are considered to belong to four broad vegetation groups based on soils and topography:

- Group 1: Occasional shrublands over hummock grasslands on clay loams on steep to moderate crests and slopes to stony outwash plains influenced by dolomite, dolerite, chert, metamorphic granite or calcrete (VTs HG1, HG2, HG10, HG11, HG12).
- Group 2: Low woodlands and shrublands over hummock and occasionally tussock grasslands on low, undulating to flat plains and minor drainage lines on sandy to clay loams with dolerite, dolomite, metamorphic, ironstone, calcrete or quartz stones (VTs HG3, HG4, HG5, HG6, HG7, HG8, S1, S2, TG1 and W1).
- Group 3: Mid to low woodlands and shrublands over hummock and tussock grassland on sandy to clay loams in major drainage lines (VT W2).
- Group 4: Hummock grasslands on clay loam stony plains with slight saline influence (HG9).

The review of the relevé data did not identify any additional VTs in the Study Area. Relevé sites were therefore assigned to one of the 17 VTs defined by the floristic classification analysis, following detailed investigation of their species composition, topography, soils, and geographic location. The locations of quadrats and/or relevés within each VT were used in conjunction with examination of aerial photography and field notes taken during the 2020 and 2021 surveys (presented in **Appendix N**) to develop VT mapping polygon boundaries across the Study Area.

Table 5.13 presents a description of each of the VTs mapped in the Study Area, including location, area mapped, sampling regime, significant flora recorded ('^' denotes preferred habitat for a significant taxon), average taxon richness and a description of variation found within the VT. **Figure 5.9** presents an overview of the distribution of VTs (and other areas described as defined in **Section 5.2.9**). Raw quadrat and relevé data and parameters are presented in **Appendix G**. Detailed VT mapping with locations of quadrats and relevés established by the 2020 and 2021 surveys are presented in **Appendix O**. **Appendix P** presents a taxon-VT matrix and **Appendix Q** presents the results of the indicator taxon analysis.



D:\UMWELT (AUSTRALIA) PTY LTD\2023-03\S&VF_R01\2023-013-VT-OVERVIEW.MXD 4/11/2021 9:20:00 AM
 Scale: 1:5000 at A3

- Legend**
- Study Area
 - Development Envelope
 - Roads
- Vegetation Type**
- | | |
|---|--|
| HG1 | HG8 |
| HG2 | HG9 |
| HG3 | HG10 |
| HG4 | HG11 |
| HG5 | HG12 |
| HG6 | S1 |
| HG7 | S2 |
| | TG1 |
| | W1 |
| | W2 |
| | R |
| | C |

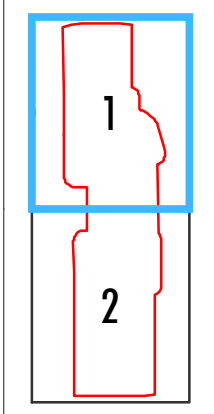
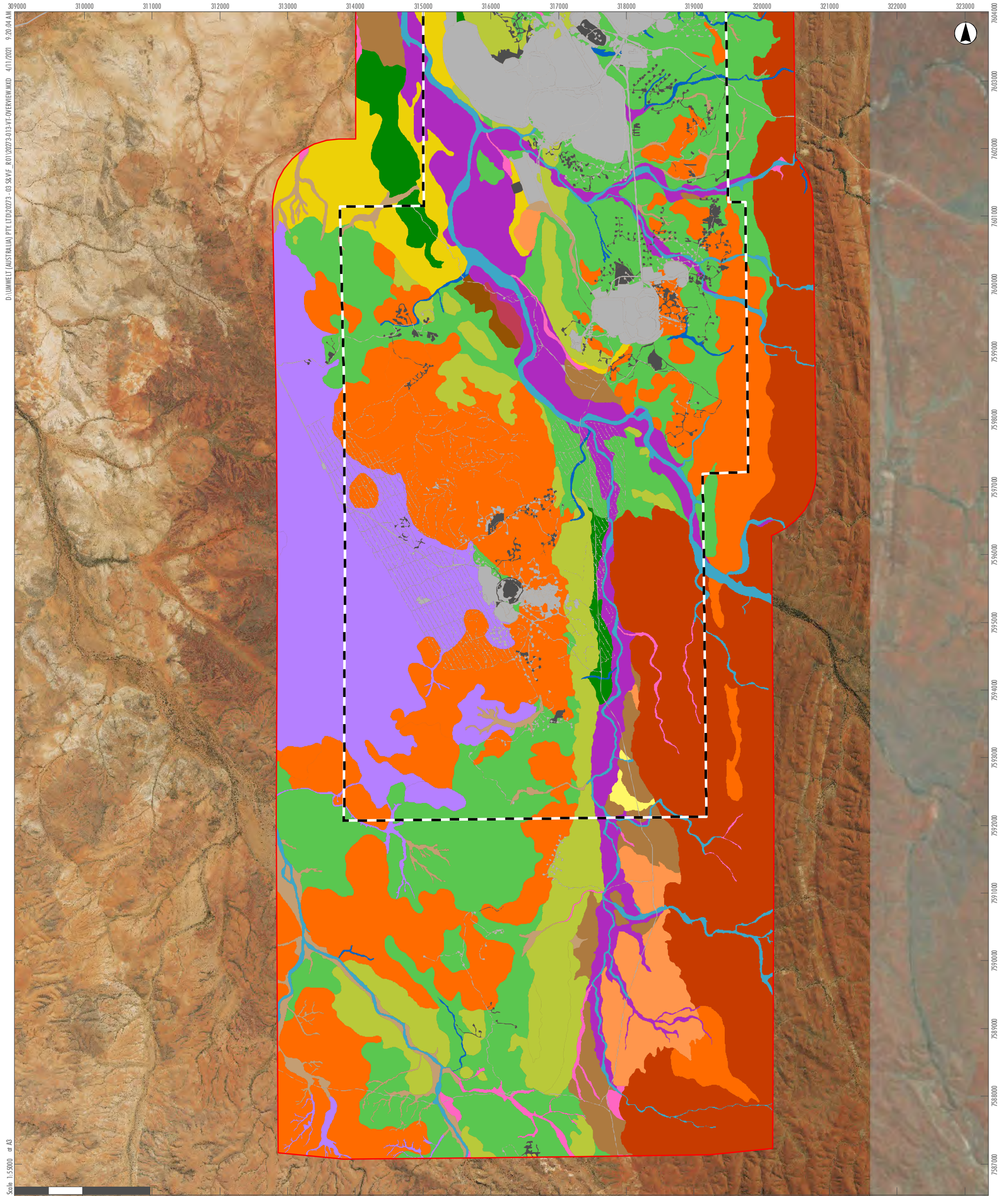


FIGURE 5.9
 Overview of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys



D:\UMWELT (AUSTRALIA) PTY LTD\2023-03\S&VF_R01\2023-03-VT-OVERVIEW.MXD 4/11/2021 9:20:04 AM
 Scale: 1:50000 at A3

- Legend**
- Study Area
 - Development Envelope
 - Roads
- Vegetation Type**
- | | |
|--|---|
| HG1 | HG8 |
| HG2 | HG9 |
| HG3 | HG10 |
| HG4 | HG11 |
| HG5 | HG12 |
| HG6 | S1 |
| HG7 | S2 |
| | TG1 |
| | W1 |
| | W2 |
| | R |
| | C |

0 1 2 Kilometers

GDA2020 MGA Zone 51

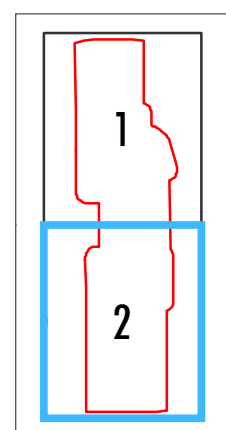





















FIGURE 5.9
 Overview of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

| Legend | |
|---|--|
| Vegetation Type | |
|  | H61 Occasional mid sparse shrubland of mixed species dominated by <i>Acacia bivenosa</i> , <i>Acacia robeorum</i> and occasionally <i>Acacia arida</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over an occasional low sparse shrubland of mixed species including <i>Senna symonii</i> , <i>Senna sericea</i> and <i>Indigofera monophylla</i> over low open hummock grassland dominated by <i>Triodia wiseana</i> , <i>Triodia scintillans</i> and <i>Triodia longiceps</i> on brown, red-brown or orange-brown clay loam or sandy clay loam with dolerite, dolomite, ironstone, metamorphic, quartz and calcrete stones, sometimes with dolerite, dolomite or metamorphic outcropping on undulating plains and slopes and crests of hills. |
|  | H62 Tall to mid sparse shrubland of mixed species including <i>Acacia bivenosa</i> , <i>Acacia arida</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Acacia synchronicia</i> over low sparse shrubland of mixed species including <i>Senna symonii</i> , <i>Heliotropium</i> aff. <i>argyrium</i> (potentially undescribed) and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over mid open hummock grassland dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia scintillans</i> on brown or red-brown clay loam with calcrete, dolomite or dolerite stones, sometimes with calcrete or dolomite outcropping, on slopes and crests of low hills and undulating plains. |
|  | H63 Occasional mid sparse shrubland of <i>Acacia synchronicia</i> over low sparse hummock grassland dominated by <i>Triodia wiseana</i> over low sparse tussock grassland of mixed species dominated by * <i>Cenchrus ciliaris</i> , <i>Eragrostis xerophila</i> and <i>Sporobolus actinoclados</i> on red-brown or brown clay loam or sandy clay loam with dolerite, ironstone and quartz and calcrete stones on colluvial plains, flats, claypans and closed depressions. |
|  | H64 Occasional mid sparse shrubland of mixed species including <i>Acacia synchronicia</i> , <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> and <i>Acacia robeorum</i> over mid open hummock grassland of mixed species including <i>Triodia longiceps</i> , <i>Triodia wiseana</i> and <i>Triodia epactia</i> over low sparse tussock grassland dominated by * <i>Cenchrus ciliaris</i> and <i>Sporobolus australasicus</i> on brown clay loam or sandy clay with ironstone, calcrete, quartz and dolerite stones on colluvial plains and flats. |
|  | H65 Occasional tall to mid sparse shrubland of mixed species including <i>Acacia robeorum</i> and <i>Acacia synchronicia</i> over mid open hummock grassland of mixed species dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia epactia</i> and <i>Triodia longiceps</i> over an occasional low sparse tussock grassland dominated by <i>Sporobolus australasicus</i> and * <i>Cenchrus ciliaris</i> on red-brown, red or brown clay loam or sandy clay loam with dolerite, metamorphic, ironstone and quartz stones on undulating plains and flats. |
|  | H66 Occasional tall sparse shrubland of mixed species including <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Acacia inaequilatera</i> over mid open hummock grassland of mixed species including <i>Triodia longiceps</i> , <i>Triodia epactia</i> and occasionally <i>Triodia wiseana</i> over an occasional low sparse tussock grassland of * <i>Cenchrus ciliaris</i> on red-brown or brown clay loam or sandy clay loam with metamorphic, quartz, ironstone and dolomite stones on colluvial plains and flats. |
|  | H67 Tall to mid sparse shrubland of mixed species including <i>Acacia bivenosa</i> , <i>Acacia robeorum</i> and occasionally <i>Acacia ancistrocarpa</i> over low sparse shrubland of mixed species including <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Scaevola ambylanthera</i> var. <i>centralis</i> and <i>Indigofera monophylla</i> over mid open hummock grassland of mixed species dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia longiceps</i> and <i>Triodia epactia</i> over an occasional mid open tussock grassland of mixed species including * <i>Cenchrus ciliaris</i> , <i>Paraneurachne muelleri</i> and <i>Chrysopogon fallax</i> on red-brown or brown sandy clay loam or clay loam, sometimes with ironstone, dolomite, dolerite, quartz, calcrete and metamorphic stones, rarely with calcrete or metamorphic outcropping, on undulating and colluvial plains, flats, and minor drainage features. |
|  | H68 Occasional tall to mid sparse shrubland of mixed species including <i>Acacia trachycarpa</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia inaequilatera</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> over low open hummock grassland of mixed species dominated by <i>Triodia epactia</i> , <i>Triodia wiseana</i> and occasionally <i>Triodia longiceps</i> over an occasional low open tussock grassland of mixed species including * <i>Cenchrus ciliaris</i> , <i>Eragrostis eriopoda</i> and <i>Eragrostis desertorum</i> on red-brown or brown sandy clay loam or clay loam with dolerite, ironstone, quartz, dolomite and calcrete stones, occasionally with dolomite or calcrete outcropping on colluvial plains, flats and low rises. |
|  | H69 Low isolated chenopod shrubs of mixed species including <i>Eremophea spinosa</i> , <i>Sclerolaena crenata</i> and <i>Sclerolaena bicornis</i> var. <i>bicornis</i> over mid sparse hummock grassland dominated by <i>Triodia longiceps</i> and occasionally <i>Triodia angusta</i> on brown sandy clay loam or clay loam with calcrete and other colluvial stones, on flats and undulating plains. |
|  | H610 Tall sparse shrubland of mixed species dominated by <i>Acacia inaequilatera</i> over low sparse shrubland of mixed species including <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Indigofera monophylla</i> , <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) and <i>Senna glutinosa</i> subsp. <i>puinosa</i> over low open hummock grassland of mixed species including <i>Triodia brizoides</i> , <i>Triodia epactia</i> and <i>Triodia scintillans</i> on red-brown or orange-brown clay loam or sandy clay loam with dolerite, metamorphic, quartz and chert stones and dolerite, metamorphic or chert outcropping on slopes and crests of hills. |
|  | H611 Tall to mid sparse shrubland of mixed species including <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Acacia inaequilatera</i> and <i>Acacia arida</i> over low sparse shrubland of mixed species including <i>Acacia hilliana</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triumfetta macnochieana</i> and <i>Dampiera candidans</i> over low open hummock grassland dominated by <i>Triodia scintillans</i> and <i>Triodia epactia</i> on red-brown, brown or orange-brown clay loam or sandy clay loam with chert stones over chert outcropping on slopes and crests of low hills and undulating plains. |
|  | H612 Mid sparse shrubland of mixed species dominated by <i>Acacia arida</i> and occasionally <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia bivenosa</i> over low sparse shrubland of mixed species including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyrium</i> (potentially undescribed) and * <i>Aerva javanica</i> over low open hummock grassland dominated by <i>Triodia wiseana</i> on red-brown, brown or orange-brown clay loam or sandy clay loam with dolomite, dolerite, metamorphic and quartz stones over dolomite or dolerite outcropping on slopes, crests, ridges and gorges of rocky hills and occasionally stony plains. |
|  | S1 Occasional low open woodland to isolated trees of mixed species dominated by <i>Corymbia hamersleyana</i> and occasionally <i>Eucalyptus odontocarpa</i> and <i>Corymbia candida</i> subsp. <i>dipsodes</i> over tall open shrubland to sparse shrubland of mixed species including <i>Acacia ancistrocarpa</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> over mid sparse shrubland of mixed species including <i>Acacia arida</i> , <i>Acacia bivenosa</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia acradenia</i> over low sparse shrubland of mixed species including <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Anthobolus leptomerioides</i> , <i>Bonamia erecta</i> and <i>Indigofera monophylla</i> over low open hummock grassland to sparse hummock grassland of mixed species including <i>Triodia epactia</i> , <i>Triodia scintillans</i> and <i>Triodia wiseana</i> over low sparse tussock grassland of mixed species including <i>Paraneurachne muelleri</i> , <i>Aristida holathera</i> var. <i>holathera</i> and <i>Chrysopogon fallax</i> on red-brown or brown sandy clay loam, clay loam or sandy clay with colluvial stones, sometimes with metamorphic or dolerite outcropping in minor creeks and flowlines and sometimes on undulating or colluvial stony plains. |
|  | S2 Tall open shrubland to sparse shrubland of mixed species dominated by <i>Atalaya hemiglauca</i> , <i>Acacia trachycarpa</i> and occasionally <i>Acacia coriacea</i> subsp. <i>pendens</i> and <i>Acacia ancistrocarpa</i> over mid sparse shrubland of mixed species including <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> , <i>Gossypium australe</i> , <i>Acacia bivenosa</i> and <i>Carissa lanceolata</i> over an occasional low sparse hummock grassland of <i>Triodia longiceps</i> and <i>Triodia wiseana</i> over mid closed tussock grassland to open tussock grassland to sparse tussock grassland of mixed species dominated by * <i>Cenchrus ciliaris</i> and <i>Chrysopogon fallax</i> on brown or red-brown clay loam or sandy clay loam with colluvial stones, occasionally with dolerite or chert outcropping in minor creeklines, flowlines, and on colluvial plains and flats. |
|  | TG1 Tall to mid sparse shrubland of mixed species dominated by <i>Acacia trachycarpa</i> , <i>Atalaya hemiglauca</i> and occasionally <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> over low sparse shrubland of mixed species including * <i>Aerva javanica</i> and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over an occasional low sparse hummock grassland of <i>Triodia epactia</i> and <i>Triodia wiseana</i> over a mid closed tussock grassland to sparse tussock grassland of * <i>Cenchrus ciliaris</i> over an occasional low sparse forbland of mixed species including <i>Boerhavia coccinea</i> , <i>Trianthema pilosum</i> and <i>Boerhavia burbridgeana</i> on red-brown, brown or orange clay loam or sandy clay loam with colluvial stones on colluvial plains and flats. |
|  | W1 Low open woodland to isolated trees of mixed species dominated by <i>Corymbia hamersleyana</i> and occasionally <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Corymbia candida</i> subsp. <i>dipsodes</i> and <i>Eucalyptus victrix</i> over tall sparse shrubland of mixed species including <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Atalaya hemiglauca</i> and <i>Acacia arida</i> over mid open shrubland to sparse shrubland of mixed species including <i>Gossypium australe</i> , <i>Acacia bivenosa</i> , <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> and <i>Acacia ancistrocarpa</i> over low sparse shrubland of mixed species including <i>Indigofera monophylla</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , * <i>Aerva javanica</i> and <i>Senna artemisioides</i> subsp. <i>oligophylla</i> over tall to mid sparse hummock grassland of mixed species including <i>Triodia epactia</i> and <i>Triodia wiseana</i> over mid tussock grassland to sparse tussock grassland of mixed species including * <i>Cenchrus ciliaris</i> , <i>Paraneurachne muelleri</i> and <i>Chrysopogon fallax</i> on red-brown or brown clay loam, sandy clay loam or sandy loam with colluvial stones, sometimes with dolerite, dolomite, metamorphic, chert or calcrete outcropping in minor creeks and flowlines and sometimes on colluvial plains. |
|  | W2 Mid to low woodland to open woodland dominated by <i>Eucalyptus victrix</i> and occasionally <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> and <i>Corymbia hamersleyana</i> over tall to mid sparse shrubland of mixed species dominated by <i>Atalaya hemiglauca</i> , <i>Acacia coriacea</i> subsp. <i>pendens</i> and occasionally <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> , <i>Acacia trachycarpa</i> and <i>Melaleuca glomerata</i> over low sparse shrubland of mixed species including <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Cullen leucanthum</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Corchorus laniflorus</i> over an occasional mid to low sparse hummock grassland of mixed species including <i>Triodia epactia</i> , <i>Triodia longiceps</i> and <i>Triodia wiseana</i> over mid tussock grassland to sparse tussock grassland of mixed species dominated by * <i>Cenchrus ciliaris</i> and occasionally <i>Cymbopogon ambiguus</i> , <i>Eriachne tenuiculmis</i> and <i>Eriachne benthamii</i> over an occasional mid open sedgeland to sparse sedgeland of <i>Cyperus vaginatus</i> on brown or red-brown sandy clay loam, sandy clay or clayey sand with colluvial stones, occasionally with dolerite or dolomite outcropping in major creek and flowlines. |
|  | R Rehabilitated land |
|  | C Cleared land |

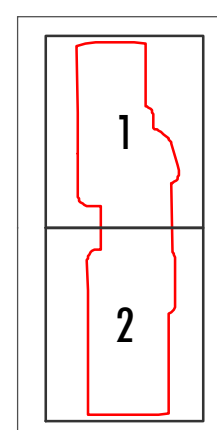





FIGURE 5.9



Overview of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys


Table 5.13 Summary of VTs Described in the Study Area by the 2020 and 2021 Surveys

| VT | Summary | Representative Photo |
|-------------------|--|---|
| <p>HG1</p> | <p>Description: Occasional mid sparse shrubland of mixed species dominated by <i>Acacia bivenosa</i>, <i>Acacia robeorum</i> and occasionally <i>Acacia arida</i>, <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over an occasional low sparse shrubland of mixed species including <i>Senna symonii</i>, <i>Senna sericea</i> and <i>Indigofera monophylla</i> over low open hummock grassland dominated by <i>Triodia wiseana</i>, <i>Triodia scintillans</i> and <i>Triodia longiceps</i> on brown, red-brown or orange-brown clay loam or sandy clay loam with dolerite, dolomite, ironstone, metamorphic, quartz and calcrete stones, sometimes with dolerite, dolomite or metamorphic outcropping on undulating plains and slopes and crests of hills</p> <p>Location: Mapped widely over the entirety of the Study Area</p> <p>Area mapped (proportion of Study Area): 2,584.1 ha (10.4 %)</p> <p>Sampling: 80 quadrats (WC001, WC014, WC016, WC021, WC023, WC024, WC031, WC037, WD008, WD010, WD015, WD017, WD019, WD023, WD040, WD043, WD053, WD056, WE004, WE015, WE017, WE019, WE021, WE022, WE023, WE038, WE039, WE040, WE041, WE046, WJ005, WJ006, WJ017, WJ019, WJ020, WJ028, WJ031, WJ036, WJ060, WK002, WK004, WK005, WK007, WK008, WK010, WK011, WK021, WK024, WK029, WK030, WK031, WK033, WK034, WK042, WK044, WK066, WK068, WK072, WK073, WM017, WM018, WM021, WM036, WM045, WW100, WW107, WW109, WW113, WW138, WW42, WW47, WW50, WW55, WW84, WW88, WW91, WW93, WW94, WW96, WW97)</p> <p>Indicator taxa: <i>Acacia bivenosa</i>, <i>Acacia robeorum</i>, <i>Senna sericea</i>, <i>Senna symonii</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Euphorbia clementii</i> (P3), <i>Goodenia pedicellata</i> (P1), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Lepidium amelum</i> (P1), <i>Ptilotus mollis</i> (P4), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 24 ± 8.4</p> <p>Variation and similar VTs: This VT was mapped widely across the Study Area and therefore there was some floristic and structural variation across quadrats, generally in response to variation in topography and underlying geology. Some areas possessed low isolated trees of <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>, while many quadrats lacked any overstorey shrubland components (e.g. quadrat WJ031, Plate 5.13). <i>Triodia wiseana</i> was almost always dominant in the hummock grassland stratum, however occasionally <i>Triodia scintillans</i> or <i>Triodia longiceps</i> dominated or co-dominated.</p> |  <p>Plate 5.13 VT HG1 (Quadrat WJ031)</p>  <p>Plate 5.14 Unusual Variant of VT HG1 (Quadrat WK011)</p> |


| VT | Summary | Representative Photo |
|------------------|--|----------------------|
| HG1 cont. | <p>Floristically, this VT is most similar to VTs HG2 and HG3, however HG2 and HG3 were generally mapped on lower slopes and outwashes as opposed to undulating plains and slopes and crests of hills, and HG3 in particular is comparatively open and species poor.</p> <p>Two quadrats were unusual variants of VT HG1. Quadrat WK011 was located in an outwash area with beige sandy clay soil and metamorphic and calcareous influence (Plate 5.14). This quadrat recorded the only occurrence of <i>Acacia aptaneura</i> in the Study Area, and one of the few of <i>Acacia pruinocarpa</i> and <i>Eremophila latrobei</i> subsp. <i>filiformis</i>. Quadrat WK008 occurs in proximity to WK011 and also exhibits calcareous influence. This quadrat recorded the only occurrence of <i>Eremophila galeata</i> in the Study Area, and one of the few of <i>Acacia eriopoda</i> and <i>Acacia pruinocarpa</i>. However, these quadrats were otherwise floristically similar to other quadrats that represent VT HG1.</p> | |


| VT | Summary | Representative Photo |
|------------|---|---|
| HG2 | <p>Description: Occasional tall to mid sparse shrubland of mixed species including <i>Acacia bivenosa</i>, <i>Acacia arida</i>, <i>Grevillea wickhamii</i> subsp. <i>hispidula</i>, <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Acacia synchronicia</i> over low sparse shrubland of mixed species including <i>Senna symonii</i>, <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over mid open hummock grassland dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia scintillans</i> on brown or red-brown clay loam with calcrete, dolomite or dolerite stones, sometimes with calcrete or dolomite outcropping, on slopes and crests of low hills and undulating plains</p> <p>Location: Mapped across four general occurrences in the Study Area, typically at the bases of ranges</p> <p>Area mapped (proportion of Study Area): 333.1 ha (1.3 %)</p> <p>Sampling: 10 quadrats (WC048, WE055, WE056, WJ021, WJ024, WK053, WK055, WM002, WW116, WW25)</p> <p>Indicator taxa: <i>Goodenia pedicellata</i> (P1), <i>Tribulus minutus</i> (P1)</p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Goodenia pedicellata</i> (P1), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Lepidium amelum</i> (P1), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 22 ± 6.5</p> <p>Variation and similar VTs: The shrubland overstorey component was variable; typically it comprised a relatively minor component (e.g. quadrat WJ024, Plate 5.15), but in some areas it was more significant, and in such areas <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> was almost always present and dominant or co-dominant. <i>Triodia wiseana</i> was almost always dominant in the hummock grassland stratum, however occasionally <i>Triodia scintillans</i> dominated or co-dominated.</p> <p>For similar VTs, see under VT HG1.</p> |  <p>Plate 5.15 VT HG2 (Quadrat WJ024)</p> |



| VT | Summary | Representative Photo |
|------------|---|--|
| HG3 | <p>Description: Occasional mid sparse shrubland of <i>Acacia synchronicia</i> over low sparse hummock grassland dominated by <i>Triodia wiseana</i> over low sparse tussock grassland of mixed species dominated by *<i>Cenchrus ciliaris</i>, <i>Eragrostis xerophila</i> and <i>Sporobolus actinocladus</i> on red-brown or brown clay loam or sandy clay loam with dolerite, ironstone and quartz and calcrete stones on colluvial plains, flats, claypans and closed depressions</p> <p>Location: Predominately mapped in one general occurrence in the southeast portion of the Study Area at the base of ranges</p> <p>Area mapped (proportion of Study Area): 273.9 ha (1.1 %)</p> <p>Sampling: 6 quadrats (WD004, WJ003, WK036, WM007, WM009, WM010)</p> <p>Indicator taxa: <i>Eragrostis xerophila</i>, <i>Tripogonella loliiformis</i></p> <p>Significant taxa: <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed)</p> <p>Average taxon richness per quadrat: 18 ± 4.1</p> <p>Variation and similar VTs: This VT was generally very open and relatively species poor. It was typically relatively floristically homogenous; however, the sparsity of the shrubland, hummock grassland and tussock grassland strata varied between quadrats. Much of the variation was related to the relative stoniness of the occurrence, with most areas quite loamy and lacking surface stoniness (e.g. quadrat WJ003, Plate 5.16), while some areas were almost completely stony (e.g. quadrat WM007, Plate 5.17). Those areas that were more loamy were generally more open and had the tussock grassland stratum more dominant than the hummock grassland stratum. These loamy areas were also typically more disturbed from cattle and weeds.</p> <p>For similar VTs, see under VT HG1.</p> |  <p>Plate 5.16 VT HG3 (Quadrat WJ003)</p>  <p>Plate 5.17 Variant of VT HG3 with Stony Surface (Quadrat WM007)</p> |

| VT | Summary | Representative Photo |
|-----|---|---|
| HG4 | <p>Description: Occasional mid sparse shrubland of mixed species including <i>Acacia synchronicia</i>, <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> and <i>Acacia robeorum</i> over mid open hummock grassland of mixed species including <i>Triodia longiceps</i>, <i>Triodia wiseana</i> and <i>Triodia epactia</i> over low sparse tussock grassland dominated by *<i>Cenchrus ciliaris</i> and <i>Sporobolus australasicus</i> on brown clay loam or sandy clay with ironstone, calcrete, quartz and dolerite stones on colluvial plains and flats</p> <p>Location: Predominately mapped in the central western portion of the Study Area on colluvial plains</p> <p>Area mapped (proportion of Study Area): 693.0 ha (2.8 %)</p> <p>Sampling: 21 quadrats (WC004, WC018, WC025, WD051, WE008, WE009, WE027, WE049, WE050, WJ004, WJ014, WJ029, WJ048, WJ049, WK043, WK048, WW105, WW111, WW112, WW118, WW132)</p> <p>Indicator taxa: <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>, <i>Acacia synchronicia</i>, <i>Sida fibulifera</i>, <i>Streptoglossa decurrens</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Lepidium amelum</i> (P1), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 33 ± 6.1</p> <p>Variation and similar VTs: The upper shrubland and hummock grassland strata of this VT were relatively variable in composition. Generally, only one taxon dominated the mid shrubland stratum; most commonly it was <i>Acacia synchronicia</i>, but occasionally it was replaced by <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>, and, less commonly, <i>Acacia robeorum</i>. Some areas lacked a shrubland stratum completely. As with the mid shrubland stratum, generally only one taxon dominated the hummock grassland stratum. This was most often <i>Triodia longiceps</i> or <i>Triodia wiseana</i>, with <i>Triodia epactia</i> and <i>Triodia angusta</i> less common. Some areas possessed low isolated trees of <i>Corymbia hamersleyana</i>.</p> <p>Areas with less surface stoniness and those in close proximity to drainage features were generally more open and had the tussock grassland stratum more dominant than the hummock grassland stratum. These areas were also typically more disturbed from cattle and weeds.</p> |  <p>Plate 5.18 VT HG4 (Quadrat WW112)</p> |



| VT | Summary | Representative Photo |
|------------------|--|----------------------|
| HG4 cont. | <p>Floristically, this VT is most similar to VTs HG5 and HG6. VT HG5 was generally mapped on similar soils and topographies to HG4, while HG6 typically occurred closer to the bases of ranges and typically lacked an upper shrubland stratum. VT HG4 also typically had slightly greater low shrub diversity than HG5 and HG6 (although these shrub taxa were never dominant).</p> | |


| VT | Summary | Representative Photo |
|-----|---|---|
| HG5 | <p>Description: Occasional tall to mid sparse shrubland of mixed species including <i>Acacia robeorum</i> and <i>Acacia synchronicia</i> over mid open hummock grassland of mixed species dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia epactia</i> and <i>Triodia longiceps</i> over an occasional low sparse tussock grassland dominated by <i>Sporobolus australasicus</i> and *<i>Cenchrus ciliaris</i> on red-brown, red or brown clay loam or sandy clay loam with dolerite, metamorphic, ironstone and quartz stones on undulating plains and flats</p> <p>Location: Mapped over the entirety of the Study Area at the base of ranges and in association with major drainage features</p> <p>Area mapped (proportion of Study Area): 501.4 ha (2.0 %)</p> <p>Sampling: 18 quadrats (WC011, WC022, WC060, WC063, WE001, WE014, WE030, WE031, WJ001, WJ063, WJ066, WK001, WK026, WK054, WK067, WM004, WM015, WW67)</p> <p>Indicator taxa: No indicator taxa</p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed)</p> <p>Average taxon richness per quadrat: 30 ± 9.2</p> <p>Variation and similar VTs: The upper shrubland and hummock grassland strata of this VT were relatively variable in composition. Generally, only one taxon dominated the mid shrubland stratum; most commonly it was <i>Acacia synchronicia</i>, but occasionally it was replaced by <i>Acacia robeorum</i>. Some areas lacked a shrubland stratum completely. <i>Triodia wiseana</i> was almost always dominant in the hummock grassland stratum, however occasionally <i>Triodia epactia</i> or <i>Triodia longiceps</i> dominated or co-dominated.</p> <p>For similar VTs, see under VT HG4.</p> |  <p>Plate 5.19 VT HG5 (Quadrat WK001)</p> |


| VT | Summary | Representative Photo |
|-----|---|---|
| HG6 | <p>Description: Occasional tall sparse shrubland of mixed species including <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Acacia inaequilatera</i> over mid open hummock grassland of mixed species including <i>Triodia longiceps</i>, <i>Triodia epactia</i> and occasionally <i>Triodia wiseana</i> over an occasional low sparse tussock grassland of *<i>Cenchrus ciliaris</i> on red-brown or brown clay loam or sandy clay loam with metamorphic, quartz, ironstone and dolomite stones on colluvial plains and flats</p> <p>Location: Predominately mapped in the central western portion of the Study Area on colluvial plains</p> <p>Area mapped (proportion of Study Area): 176.2 ha (0.7 %)</p> <p>Sampling: 7 quadrats (WC006, WK050, WW106, WW114, WW128, WW130, WW76)</p> <p>Indicator taxa: <i>Pluchea ferdinandi-muelleri</i>, <i>Pluchea tetranthera</i>, <i>Senna artemisioides</i> subsp. <i>helmsii</i>, <i>Stemodia grossa</i>, <i>Tephrosia supina</i></p> <p>Significant taxa: <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 28 ± 13.7</p> <p>Variation and similar VTs: This VT was relatively structurally and floristically consistent. The majority of quadrats in this VT lacked an upper shrubland stratum. When present, it was very sparse. Typically only one species dominated the hummock grassland stratum, although other <i>Triodia</i> taxa often co-occurred.</p> <p>For similar VTs, see under VT HG4.</p> |  <p>Plate 5.20 VT HG6 (Quadrat WW114)</p> |



| VT | Summary | Representative Photo |
|-----|---|---|
| HG7 | <p>Description: Tall to mid sparse shrubland of mixed species including <i>Acacia bivenosa</i>, <i>Acacia robeorum</i> and occasionally <i>Acacia ancistrocarpa</i> over low sparse shrubland of mixed species including <i>Hibiscus sturtii</i> var. <i>campyloclamys</i>, <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i>, <i>Scaevola amblyanthera</i> var. <i>centralis</i> and <i>Indigofera monophylla</i> over mid open hummock grassland of mixed species dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia longiceps</i> and <i>Triodia epactia</i> over an occasional mid open tussock grassland of mixed species including *<i>Cenchrus ciliaris</i>, <i>Paraneurachne muelleri</i> and <i>Chrysopogon fallax</i> on red-brown or brown sandy clay loam or clay loam, sometimes with ironstone, dolomite, dolerite, quartz, calcrete and metamorphic stones, rarely with calcrete or metamorphic outcropping, on undulating and colluvial plains, flats, and minor drainage features</p> <p>Location: Predominately mapped in the western half of the Study Area on colluvial plains and in minor drainage features</p> <p>Area mapped (proportion of Study Area): 1,142.4 ha (4.6 %)</p> <p>Sampling: 32 quadrats (WC008, WC019, WC034, WC050, WC051, WC057, WD018, WD028, WD029, WD031, WD045, WD050, WE007, WE026, WE047, WJ015, WJ018, WJ022, WJ027, WJ050, WJ052, WJ064, WK006, WK012, WK025, WK058, WK059, WK065, WW101, WW124, WW23, WW98)</p> <p>Indicator taxa: <i>Goodenia muelleriana</i>, <i>Heliotropium chrysocarpum</i>, <i>Scaevola amblyanthera</i> var. <i>centralis</i>, <i>Tribulus hirsutus</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Euphorbia clementii</i> (P3), <i>Goodenia pedicellata</i> (P1), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Kohautia australiensis</i> (P2), <i>Lepidium amelum</i> (P1), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 39 ± 12.7</p> <p>Variation and similar VTs: This VT was relatively consistent, with sparse, species poor shrub strata almost always present, and low isolated trees of <i>Corymbia hamersleyana</i> very occasionally also present in some areas. The tall to mid shrubland stratum almost always consisted of <i>Acacia bivenosa</i> and <i>Acacia robeorum</i> co-dominating (although other <i>Acacia</i> species sometimes occurred); however, in some areas that receive more drainage water, one or both were replaced by <i>Acacia ancistrocarpa</i>, and sometimes also <i>Petalostylis labicheoides</i>. This stratum also tended to be more dense in these areas (e.g. quadrat WJ027, Plate 5.22).</p> |  <p>Plate 5.21 VT HG7 (Quadrat WW101)</p>  <p>Plate 5.22 Variant of VT HG7 with More Dense Shrubland Stratum (Quadrat WJ027)</p> |

| VT | Summary | Representative Photo |
|----------------------|--|----------------------|
| HG7 cont. | <p><i>Triodia wiseana</i> was almost always dominant in the hummock grassland stratum, however occasionally <i>Triodia epactia</i> or <i>Triodia longiceps</i> dominated or co-dominated.</p> <p>Floristically, this VT is most similar to VT HG8. These VTs were generally mapped on similar soils and topographies, however HG8 typically occurred in closer proximity to drainage features and had a greater tall to mid shrubland component.</p> | |


| VT | Summary | Representative Photo |
|-----|--|--|
| HG8 | <p>Description: Occasional tall to mid sparse shrubland of mixed species including <i>Acacia trachycarpa</i>, <i>Hakea lorea</i> subsp. <i>lorea</i>, <i>Acacia inaequilatera</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> over low open hummock grassland of mixed species dominated by <i>Triodia epactia</i>, <i>Triodia wiseana</i> and occasionally <i>Triodia longiceps</i> over an occasional low open tussock grassland of mixed species including *<i>Cenchrus ciliaris</i>, <i>Eragrostis eriopoda</i> and <i>Eragrostis desertorum</i> on red-brown or brown sandy clay loam or clay loam with dolerite, ironstone, quartz, dolomite and calcrete stones, occasionally with dolomite or calcrete outcropping on colluvial plains, flats and low rises</p> <p>Location: Mapped in the northern half of the Study Area on colluvial plains, in association with major drainage features, and in minor drainage features</p> <p>Area mapped (proportion of Study Area): 935.1 ha (3.8 %)</p> <p>Sampling: 33 quadrats (WC042, WC043, WC045, WC046, WC059, WC061, WE002, WE006, WE010, WE011, WE012, WE025, WE037, WE042, WE043, WE044, WE051, WJ032, WJ042, WJ046, WJ047, WJ072, WK027, WK049, WK051, WK060, WK062, WM042, WW103, WW104, WW119, WW126, WW99)</p> <p>Indicator taxa: <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025), <i>Bonamia media</i>, <i>Crotalaria ramosissima</i>, <i>Goodenia microptera</i>, <i>Senna notabilis</i>, <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626), <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666), <i>Triodia epactia</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Kohautia australiensis</i> (P2), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 39 ± 10.3</p> <p>Variation and similar VTs: The tall to mid shrubland component was variable, ranging from comprising a relatively minor component (e.g. quadrat WW103, Plate 5.23), to being more dominant (e.g. quadrat WE012, Plate 5.24). When present, it typically was species poor, generally consisting of only one or two co-dominating taxa; however, the composition of this stratum varied between quadrats. The composition of the hummock grassland stratum was also variable. Generally two or more <i>Triodia</i> taxa were present, although not always in equal proportions. For similar VTs, see under VT HG7.</p> |  <p>Plate 5.23 VT HG8 (Quadrat WW103)</p>  <p>Plate 5.24 VT HG8 (Quadrat WE012)</p> |

| VT | Summary | Representative Photo |
|-----|---|--|
| HG9 | <p>Description: Low isolated chenopod shrubs of mixed species including <i>Eremophea spinosa</i>, <i>Sclerolaena crenata</i> and <i>Sclerolaena bicornis</i> var. <i>bicornis</i> over mid sparse hummock grassland dominated by <i>Triodia longiceps</i> and occasionally <i>Triodia angusta</i> on brown sandy clay loam or clay loam with calcrete and other colluvial stones, on flats and undulating plains</p> <p>Location: Mapped in two general occurrences in the central western portion of the Study Area on colluvial plains</p> <p>Area mapped (proportion of Study Area): 95.4 ha (0.4 %)</p> <p>Sampling: 4 quadrats (WD053A, WE048, WW108, WW120)</p> <p>Indicator taxa: <i>Eremophea spinosa</i>, <i>Lawrenzia densiflora</i>, <i>Maireana melanocoma</i>, <i>Sclerolaena bicornis</i> var. <i>bicornis</i>, <i>Sclerolaena densiflora</i>, <i>Sporobolus actinocladus</i>, <i>Tribulus occidentalis</i>, <i>Triodia longiceps</i></p> <p>Significant taxa: None recorded</p> <p>Average taxon richness per quadrat: 19 ± 6.9</p> <p>Variation and similar VTs: There was little variation observed across the very small area of this VT mapped. It is not especially similar to any other VTs.</p> |  <p data-bbox="1458 719 2080 754">Plate 5.25 VT HG9 (Quadrat WW120)</p> |



| VT | Summary | Representative Photo |
|-------------|--|--|
| HG10 | <p>Description: Tall sparse shrubland of mixed species dominated by <i>Acacia inaequilatera</i> over low sparse shrubland of mixed species including <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i>, <i>Indigofera monophylla</i>, <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) and <i>Senna glutinosa</i> subsp. <i>pruinosa</i> over low open hummock grassland of mixed species including <i>Triodia brizoides</i>, <i>Triodia epactia</i> and <i>Triodia scintillans</i> on red-brown or orange-brown clay loam or sandy clay loam with dolerite, metamorphic, quartz and chert stones and dolerite, metamorphic or chert outcropping on slopes and crests of hills</p> <p>Location: Mapped on ranges along the eastern border of the Study Area</p> <p>Area mapped (proportion of Study Area): 3,459.7 ha (13.9 %)</p> <p>Sampling: 25 quadrats (WC002, WD005, WD022, WD033, WD036, WD037, WJ008, WJ016, WJ068, WJ070, WJ071, WJ074, WK039, WK045, WM014, WM020, WM029, WM032, WM033, WW102, WW121, WW123, WW125, WW134, WW136)</p> <p>Indicator taxa: <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618), <i>Acacia inaequilatera</i>, <i>Bonamia pilbarensis</i>, <i>Euphorbia careyi</i>, <i>Senna glutinosa</i> subsp. <i>pruinosa</i>, <i>Tephrosia densa</i>, <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356), <i>Triodia brizoides</i></p> <p>Significant taxa: None recorded</p> <p>Average taxon richness per quadrat: 25 ± 7.4</p> <p>Variation and similar VTs: The tall and low shrubland strata were not present consistently throughout the VT, but when present they were generally consistent in composition. However, the composition of the hummock grassland stratum was very variable, and often two <i>Triodia</i> taxa were present, although not always in equal proportions.</p> <p>This VT is somewhat floristically similar to VT HG11. However, VT HG10 is restricted to the slopes and crests of the rounded ranges that run along the eastern border of the Study Area. <i>Triodia brizoides</i> is also much less common in VT HG11 than in HG10.</p> |  <p>Plate 5.26 VT HG10 (Quadrat WD022)</p> |

| VT | Summary | Representative Photo |
|-------------|---|---|
| HG11 | <p>Description: Tall to mid sparse shrubland of mixed species including <i>Grevillea wickhamii</i> subsp. <i>hispidula</i>, <i>Acacia inaequilatera</i> and <i>Acacia arida</i> over low sparse shrubland of mixed species including <i>Acacia hilliana</i>, <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i>, <i>Triumfetta maconochieana</i> and <i>Dampiera candidans</i> over low open hummock grassland dominated by <i>Triodia scintillans</i> and <i>Triodia epactia</i> on red-brown, brown or orange-brown clay loam or sandy clay loam with chert stones over chert outcropping on slopes and crests of low hills and undulating plains</p> <p>Location: Mapped widely over the entirety of the Study Area</p> <p>Area mapped (proportion of Study Area): 4,031.6 ha (16.2 %)</p> <p>Sampling: 83 quadrats (WC012, WC017, WC020, WC033, WC055, WC058, WC066, WD006, WD013, WD025, WD039, WD042, WD049, WD052, WD054, WE005, WE024, WE045, WE053, WE054, WJ013, WJ025, WJ026, WJ030, WJ039, WJ040, WJ054, WJ057, WJ061, WJ076, WJ077, WJ080, WJ081, WK003, WK009, WK014, WK015, WK017, WK019, WK022, WK061, WK063, WK064, WK069, WK070, WM012, WM016, WM026, WM030, WM031, WM034, WM035, WM044, WM047, WW02, WW12, WW13, WW14, WW15, WW16, WW17, WW18, WW24, WW26, WW27, WW28, WW29, WW30, WW31, WW35, WW46, WW48, WW51, WW53, WW54, WW57, WW62, WW63, WW65, WW66, WW69, WW80, WW82)</p> <p>Indicator taxa: <i>Acacia adoxa</i> var. <i>adoxo</i>, <i>Acacia hilliana</i>, <i>Calytrix carinata</i>, <i>Fimbristylis dichotoma</i>, <i>Goodenia triodiophila</i>, <i>Ptilotus calostachyus</i>, <i>Scaevola browniana</i> subsp. <i>browniana</i>, <i>Triumfetta maconochieana</i>, <i>Tribulus suberosus</i>, <i>Triodia scintillans</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Lepidium amelum</i> (P1), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 26 ± 11.4</p> <p>Variation and similar VTs: Some areas, particularly those in minor drainage features, possessed a low open woodland or isolated trees of <i>Corymbia hamersleyana</i> or <i>Corymbia candida</i> subsp. <i>dipsodes</i> (e.g. quadrat WW17, Plate 5.28). The shrubland overstorey component was also variable; typically it comprised a relatively minor component, but in some areas it was absent, particularly on upper slopes and flat crests. <i>Triodia scintillans</i> was almost always dominant in the hummock grassland stratum, however occasionally <i>Triodia epactia</i>, or less commonly, <i>Triodia wiseana</i>, dominated or co-dominated.</p> |  <p>Plate 5.27 VT HG11 (Quadrat WK003)</p>  <p>Plate 5.28 VT HG11 in a Drainage Feature with Isolated Trees (Quadrat WW17)</p> |


| VT | Summary | Representative Photo |
|-----------------------------|-------------------------------------|----------------------|
| HG11 cont. | For similar VTs, see under VT HG10. | |


| VT | Summary | Representative Photo |
|-------------|---|--|
| HG12 | <p>Description: Mid sparse shrubland of mixed species dominated by <i>Acacia arida</i> and occasionally <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia bivenosa</i> over low sparse shrubland of mixed species including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and *<i>Aerva javanica</i> over low open hummock grassland dominated by <i>Triodia wiseana</i> on red-brown, brown or orange-brown clay loam or sandy clay loam with dolomite, dolerite, metamorphic and quartz stones over dolomite or dolerite outcropping on slopes, crests, ridges and gorges of rocky hills and occasionally stony plains</p> <p>Location: Mapped widely in the northern half of the Study Area, and in the central part of the southern half of the Study Area</p> <p>Area mapped (proportion of Study Area): 3,324.0 ha (13.4 %)</p> <p>Sampling: 58 quadrats (WC005, WC015, WC039, WC049, WC052, WC054, WC062, WC064, WD002, WD009, WD014, WD020, WD026, WD027, WD030, WD032, WD046, WD055, WE018, WE028, WE029, WE032, WE033, WE034, WE035, WJ011, WJ041, WJ043, WJ044, WJ045, WJ053, WJ056, WJ067, WK016, WK018, WK037, WM001, WM019, WM023, WM024, WM027, WM043, WW37, WW60, WW64, WW70, WW72, WW73, WW74, WW77, WW78, WW81, WW83, WW85, WW86, WW87, WW90, WW92)</p> <p>Indicator taxa: <i>Acacia arida</i>, <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Cynanchum floribundum</i>, <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Paspalidium tabulatum</i>, <i>Senna glutinosa</i> subsp. <i>glutinosa</i>, <i>Triodia wiseana</i>, <i>Triumfetta propinqua</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2), <i>Euphorbia clementii</i> (P3), <i>Goodenia pedicellata</i> (P1), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Kohautia australiensis</i> (P2), <i>Lepidium amelum</i> (P1), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 28 ± 10.5</p> <p>Variation and similar VTs: This VT was relatively consistent, with sparse, species poor shrub strata almost always present, and a low open woodland to isolated trees of <i>Corymbia hamersleyana</i> very occasionally also present, particularly in minor drainage features. The mid shrubland stratum almost always consisted of <i>Acacia arida</i>, although other species sometimes dominated or co-dominated. The low shrubland stratum was generally relatively compositionally consistent, but the sparsity of the stratum varied across the mapped area. <i>Triodia wiseana</i> was almost always dominant in the hummock grassland stratum, however</p> |  <p>Plate 5.29 VT HG12 (Quadrat WK037)</p> |


| VT | Summary | Representative Photo |
|-----------------------------|---|----------------------|
| HG12 cont. | <p>occasionally <i>Triodia epactia</i>, or less commonly, <i>Triodia scintillans</i>, dominated or co-dominated.</p> <p>This VT is not especially similar to any other VTs.</p> | |

| VT | Summary | Representative Photo |
|----|---|---|
| S1 | <p>Description: Occasional low open woodland to isolated trees of mixed species dominated by <i>Corymbia hamersleyana</i> and occasionally <i>Eucalyptus odontocarpa</i> and <i>Corymbia candida</i> subsp. <i>dipsodes</i> over tall open shrubland to sparse shrubland of mixed species including <i>Acacia ancistrocarpa</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> over mid sparse shrubland of mixed species including <i>Acacia arida</i>, <i>Acacia bivenosa</i>, <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia acradenia</i> over low sparse shrubland of mixed species including <i>Hibiscus sturtii</i> var. <i>campylochlamys</i>, <i>Anthobolus leptomerioides</i>, <i>Bonamia erecta</i> and <i>Indigofera monophylla</i> over low open hummock grassland to sparse hummock grassland of mixed species including <i>Triodia epactia</i>, <i>Triodia scintillans</i> and <i>Triodia wiseana</i> over low sparse tussock grassland of mixed species including <i>Paraneurachne muelleri</i>, <i>Aristida holathera</i> var. <i>holathera</i> and <i>Chrysopogon fallax</i> on red-brown or brown sandy clay loam, clay loam or sandy clay with colluvial stones, sometimes with metamorphic or dolerite outcropping in minor creeks and flowlines and sometimes on undulating or colluvial stony plains</p> <p>Location: Predominately mapped in one large occurrence in the southwest portion of the Study Area on colluvial plains</p> <p>Area mapped (proportion of Study Area): 1,318.6 ha (5.3 %)</p> <p>Sampling: 36 quadrats (WD007, WJ082, WK013, WM037, WM038, WM039, WM040, WM041, WW01, WW03, WW04, WW05, WW06, WW07, WW08, WW09, WW10, WW11, WW19, WW20, WW33, WW34, WW36, WW38, WW39, WW40, WW41, WW43, WW44, WW45, WW49, WW52, WW56, WW58, WW59, WW61)</p> <p>Indicator taxa: <i>Acacia acradenia</i>, <i>Acacia ancistrocarpa</i>, <i>Acacia tumida</i> var. <i>pilbarensis</i>, <i>Anthobolus leptomerioides</i>, <i>Aristida inaequiglumis</i>, <i>Bonamia erecta</i>, <i>Corchorus sidoides</i> subsp. <i>sidoides</i>, <i>Dampiera candicans</i>, <i>Dicrastylis cordifolia</i>, <i>Dodonaea coriacea</i>, <i>Eucalyptus odontocarpa</i>, <i>Gompholobium polyzygum</i>, <i>Goodenia stobbsiana</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Euphorbia clementii</i> (P3), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed)</p> <p>Average taxon richness per quadrat: 32 ± 14.0</p> <p>Variation and similar VTs: This VT was mapped over a range of topographies and therefore exhibited relatively great floristic and compositional variation. Areas in drainage lines and flow lines typically had</p> |  <p data-bbox="1458 722 2074 754">Plate 5.30 VT S1 (Quadrat WW44)</p>  <p data-bbox="1458 1265 2074 1329">Plate 5.31 VT S1 in a Drainage Line (Quadrat WW20)</p> |



| VT | Summary | Representative Photo |
|------------------------|--|----------------------|
| <p>S1 cont.</p> | <p>much greater shrubland components, and usually also a woodland component (e.g. quadrat WW20, Plate 5.31). Areas on the plains that do not receive as much drainage water were typically much more open and comparatively species poor. The dominant taxa in the hummock grassland stratum were also variable.</p> <p>This VT is not especially similar to any other VTs.</p> | |

| VT | Summary | Representative Photo |
|----|---|--|
| S2 | <p>Description: Tall open shrubland to sparse shrubland of mixed species dominated by <i>Atalaya hemiglauca</i>, <i>Acacia trachycarpa</i> and occasionally <i>Acacia coriacea</i> subsp. <i>pendens</i> and <i>Acacia ancistrocarpa</i> over mid sparse shrubland of mixed species including <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>, <i>Gossypium australe</i>, <i>Acacia bivenosa</i> and <i>Carissa lanceolata</i> over an occasional low sparse hummock grassland of <i>Triodia longiceps</i> and <i>Triodia wiseana</i> over mid closed tussock grassland to open tussock grassland to sparse tussock grassland of mixed species dominated by <i>*Cenchrus ciliaris</i> and <i>Chrysopogon fallax</i> on brown or red-brown clay loam or sandy clay loam with colluvial stones, occasionally with dolerite or chert outcropping in minor creeklines, flowlines, and on colluvial plains and flats</p> <p>Location: Predominately mapped in the southern half of the Study Area in minor drainage features</p> <p>Area mapped (proportion of Study Area): 110.5 ha (0.4 %)</p> <p>Sampling: 12 quadrats (WC010, WC026, WC036, WD003, WD012, WJ009, WJ023, WJ037, WK041, WK071, WM013, WW110)</p> <p>Indicator taxa: <i>Abutilon fraseri</i> subsp. <i>fraseri</i>, <i>Bothriochloa ewartiana</i>, <i>Chrysopogon fallax</i>, <i>Cucumis variabilis</i>, <i>Dicladantha forrestii</i>, <i>Eremophila longifolia</i>, <i>Evolvulus alsinoides</i> var. <i>decumbens</i> / <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Melhania oblongifolia</i>, <i>Themeda triandra</i></p> <p>Significant taxa: <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2), <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> (P2), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed)</p> <p>Average taxon richness per quadrat: 38 ± 8.9</p> <p>Variation and similar VTs: Some areas in more significant creeklines possess a low open woodland to isolated trees of <i>Corymbia hamersleyana</i> or, rarely, <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> or <i>Eucalyptus victrix</i>. Many parts of this VT were in poor condition due to cattle activity and significant weeds, particularly <i>*Cenchrus ciliaris</i>. In these areas, <i>*Cenchrus ciliaris</i> typically replaced <i>Triodia</i> species as the dominant lower stratum taxon, and there was generally also reduced diversity and cover in the lower shrubland stratum.</p> <p>This VT is somewhat floristically similar to VT W2, but generally lacks the taxa found in and along the channels of major drainage lines (e.g. <i>Melaleuca glomerata</i>, <i>Cyperus vaginatus</i>). It is also floristically similar to VT TG1, but the latter is more species poor and generally occurs on colluvial plains and flats, as opposed to within minor creeklines and flowlines for VT S2.</p> |  <p>Plate 5.32 VT S2 (Quadrat WD012)</p> |

| VT | Summary | Representative Photo |
|------------|---|---|
| TG1 | <p>Description: Tall to mid sparse shrubland of mixed species dominated by <i>Acacia trachycarpa</i>, <i>Atalaya hemiglauca</i> and occasionally <i>Hakea lorea</i> subsp. <i>lorea</i>, <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> over low sparse shrubland of mixed species including <i>Aerva javanica</i> and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over an occasional low sparse hummock grassland of <i>Triodia epactia</i> and <i>Triodia wiseana</i> over a mid closed tussock grassland to sparse tussock grassland of <i>Cenchrus ciliaris</i> over an occasional low sparse forbland of mixed species including <i>Boerhavia coccinea</i>, <i>Trianthema pilosum</i> and <i>Boerhavia burbigdeana</i> on red-brown, brown or orange clay loam or sandy clay loam with colluvial stones on colluvial plains and flats</p> <p>Location: Predominately mapped in the southern half of the Study Area in association with major drainage features</p> <p>Area mapped (proportion of Study Area): 786.1 ha (3.2 %)</p> <p>Sampling: 15 quadrats (WC007, WC009, WC027, WC029, WC032, WD001, WE013, WE016, WJ002, WJ038, WJ059, WK023, WK032, WK035, WM006)</p> <p>Indicator taxa: <i>Acacia trachycarpa</i>, <i>Hakea lorea</i> subsp. <i>lorea</i></p> <p>Significant taxa: None recorded</p> <p>Average taxon richness per quadrat: 24 ± 6.6</p> <p>Variation and similar VTs: This VT typically fringes major creeklines. The shrubland strata become more open with increasing distance from these creeklines, and in some areas are lost completely. The composition of the shrubland overstorey component was also very variable. In addition, some areas possessed a low open woodland to isolated trees of <i>Corymbia hamersleyana</i> or <i>Eucalyptus victrix</i>. As with VT S2, many parts of this VT were in poor condition due to cattle activity and significant weeds, particularly <i>Cenchrus ciliaris</i>. In these areas, <i>Cenchrus ciliaris</i> typically replaced <i>Triodia</i> species as the dominant lower stratum taxon, and there was generally also reduced diversity and cover in the lower shrubland stratum. For similar VTs, see under VT S2.</p> |  <p>Plate 5.33 VT TG1 (Quadrat WJ002)</p> |

| VT | Summary | Representative Photo |
|----|--|--|
| W1 | <p>Description: Low open woodland to isolated trees of mixed species dominated by <i>Corymbia hamersleyana</i> and occasionally <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>, <i>Corymbia candida</i> subsp. <i>dipsodes</i> and <i>Eucalyptus victrix</i> over tall sparse shrubland of mixed species including <i>Grevillea wickhamii</i> subsp. <i>hispidula</i>, <i>Atalaya hemiglauca</i> and <i>Acacia arida</i> over mid open shrubland to sparse shrubland of mixed species including <i>Gossypium australe</i>, <i>Acacia bivenosa</i>, <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> and <i>Acacia ancistrocarpa</i> over low sparse shrubland of mixed species including <i>Indigofera monophylla</i>, <i>Tephrosia rosea</i> var. <i>clementii</i>, <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i>, *<i>Aerva javanica</i> and <i>Senna artemisioides</i> subsp. <i>oligophylla</i> over tall to mid sparse hummock grassland of mixed species including <i>Triodia epactia</i> and <i>Triodia wiseana</i> over mid tussock grassland to sparse tussock grassland of mixed species including *<i>Cenchrus ciliaris</i>, <i>Paraneurachne muelleri</i> and <i>Chrysopogon fallax</i> on red-brown or brown clay loam, sandy clay loam or sandy loam with colluvial stones, sometimes with dolerite, dolomite, metamorphic, chert or calcrete outcropping in minor creeks and flowlines and sometimes on colluvial plains</p> <p>Location: Mapped across the entirety of the Study Area in minor drainage features</p> <p>Area mapped (proportion of Study Area): 247.6 ha (1.0 %)</p> <p>Sampling: 30 quadrats (WC013, WC065, WD016, WD024, WD034, WD035, WD048, WE020, WE052, WJ007, WJ012, WJ062, WJ069, WK028, WK047, WK052, WK056, WK057, WM022, WM025, WM028, WM046, WM048, WW140, WW21, WW22, WW32, WW71, WW89, WW95)</p> <p>Indicator taxa: <i>Acacia colei</i> var. <i>colei</i>, <i>Acacia monticola</i>, <i>Acacia ptychophylla</i>, <i>Afrohybanthus aurantiacus</i>, <i>Bonamia pannosa</i>, <i>Corymbia hamersleyana</i>, <i>Cymbopogon ambiguus</i>, <i>Eriachne mucronata</i>, <i>Gossypium australe</i>, <i>Grevillea wickhamii</i> subsp. <i>hispidula</i>, <i>Hibiscus sturtii</i> / <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> / <i>Hibiscus sturtii</i> var. <i>platyklamys</i>, <i>Indigofera monophylla</i>, <i>Isotropis atropurpurea</i>, <i>Paraneurachne muelleri</i>, <i>Polymeria mollis</i>, <i>Sida rohlenae</i> subsp. <i>rohlenae</i>, <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543), <i>Tephrosia rosea</i> var. <i>clementii</i> / <i>Tephrosia rosea</i> var. <i>rosea</i>, <i>Triumfetta chaetocarpa</i>, <i>Trigastrotheca molluginea</i>, <i>Waltheria virgata</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed), <i>Kohautia australiensis</i> (P2), <i>Lepidium amelum</i> (P1), <i>Tribulus minutus</i> (P1)</p> <p>Average taxon richness per quadrat: 55 ± 11.8</p> <p>Variation and similar VTs: Within this VT, a tree stratum was almost always present, with <i>Corymbia hamersleyana</i> in particular dominating, but sometimes with the addition of <i>Eucalyptus victrix</i> in larger</p> |  <p>Plate 5.34 VT W1 (Quadrat WM028)</p> |

| VT | Summary | Representative Photo |
|---------------------|--|----------------------|
| W1 cont. | <p>drainage lines. <i>Corymbia candida</i> subsp. <i>dipsodes</i> was also present in a small number of drainage line quadrats that occur at the base of, or dissect, large ranges of VT HG11, while <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> was present in a small number of quadrats located in drainage lines that predominately dissect VTs HG10 and HG11 in the north-eastern portion of the Study Area. The tall and low shrub strata varied in density and composition, with no particular taxa generally dominating. However, the composition of the hummock and tussock grassland strata were generally relatively consistent, although in some cases the hummock grassland stratum was very sparse.</p> <p>This VT is not especially similar to any other VTs.</p> | |

| VT | Summary | Representative Photo |
|----|--|--|
| W2 | <p>Description: Mid to low woodland to open woodland dominated by <i>Eucalyptus victrix</i> and occasionally <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> and <i>Corymbia hamersleyana</i> over tall to mid sparse shrubland of mixed species dominated by <i>Atalaya hemiglauca</i>, <i>Acacia coriacea</i> subsp. <i>pendens</i> and occasionally <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>, <i>Acacia trachycarpa</i> and <i>Melaleuca glomerata</i> over low sparse shrubland of mixed species including <i>Tephrosia rosea</i> var. <i>clementii</i>, <i>Cullen leucanthum</i>, <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Corchorus laniflorus</i> over an occasional mid to low sparse hummock grassland of mixed species including <i>Triodia epactia</i>, <i>Triodia longiceps</i> and <i>Triodia wiseana</i> over mid tussock grassland to sparse tussock grassland of mixed species dominated by <i>*Cenchrus ciliaris</i> and occasionally <i>Cymbopogon ambiguus</i>, <i>Eriachne tenuiculmis</i> and <i>Eriachne benthamii</i> over an occasional mid open sedgeland to sparse sedgeland of <i>Cyperus vaginatus</i> on brown or red-brown sandy clay loam, sandy clay or clayey sand with colluvial stones, occasionally with dolerite or dolomite outcropping in major creeks and flowlines</p> <p>Location: Mapped across the entirety of the Study Area in major drainage features</p> <p>Area mapped (proportion of Study Area): 597.8 ha (2.4 %)</p> <p>Sampling: 34 quadrats (WC003, WC028, WC030, WC053, WD011, WD021, WD038, WD041, WD044, WD047, WE003, WE036, WJ010, WJ035, WJ058, WJ065, WJ073, WJ075, WJ078, WJ079, WK020, WK038, WK040, WK046, WM003, WM005, WM008, WM011, WW115, WW117, WW122, WW68, WW75, WW79)</p> <p>Indicator taxa: <i>Acacia coriacea</i> subsp. <i>pendens</i>, <i>Acacia pyrifolia</i> var. <i>morrisonii</i> / <i>Acacia pyrifolia</i> var. <i>pyrifolia</i>, <i>Atalaya hemiglauca</i>, <i>Cullen leucanthum</i>, <i>Cyperus vaginatus</i>, <i>Eriachne benthamii</i>, <i>Eriachne tenuiculmis</i>, <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i>, <i>Eucalyptus victrix</i>, <i>Ipomoea muelleri</i>, <i>Lobelia arnhemiaca</i>, <i>Melaleuca glomerata</i>, <i>Phyllanthus maderaspatensis</i>, <i>Pluchea rubelliflora</i>, <i>Stemodia viscosa</i></p> <p>Significant taxa: <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Euphorbia clementii</i> (P3), <i>Stygidium weeliwolli</i> (P3)</p> <p>Average taxon richness per quadrat: 38 ± 10.3</p> <p>Variation and similar VTs: A tree stratum was almost always present, with <i>Eucalyptus victrix</i> in particular dominating this VT, and <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> co-dominating in more significant drainage lines. The shrubland strata varied in density and somewhat in composition, also in response to the significance of the drainage line. In particular, some areas with permanent water possessed a tall sparse sedgeland of <i>Schoenoplectus subulatus</i> and a tall open to sparse forbland of <i>Typha domingensis</i> as well as</p> |  <p>Plate 5.35 VT W2 (Quadrat WJ010)</p>  <p>Plate 5.36 Variant of VT W2 with Permanent Water (Quadrat WW115)</p> |

| VT | Summary | Representative Photo |
|---------------------|--|----------------------|
| W2 cont. | <p>other aquatic flora taxa. Other taxa including <i>Melaleuca glomerata</i> and <i>Cyperus vaginatus</i> were absent from smaller drainage lines.</p> <p>As with VT W1, many parts of this VT were in poor condition due to cattle activity and significant weeds, particularly <i>*Cenchrus ciliaris</i>. In these areas, <i>*Cenchrus ciliaris</i> typically replaced <i>Triodia</i> species as the dominant lower stratum taxon, and there was generally also reduced diversity and cover in the lower shrubland stratum.</p> <p>For similar VTs, see under VT S2.</p> | |

5.2.9 Other Areas Described

Areas where natural vegetation has been completely and apparently permanently removed, with no native taxa remaining, have been mapped as 'Cleared Land' (CL) (where discernible at 1:10,000 scale). This includes roads (and associated infrastructure including culverts), tracks and areas cleared for mining activities. A total of 2,584 ha of 'Cleared Land' was mapped, representing 10.4 % of the Study Area (**Figure 5.9, Appendix O**). Note that ConsMin provided spatial data current to 2020 that mapped the majority of exploration drill lines and drill pads in the Study Area; however, a small number of drill lines and drill pads have been cleared since the 2020 disturbance footprint dataset. These have been mapped as parts of the VTs within which they occur due to their small size.

In addition to cleared areas, areas of rehabilitation have been mapped as 'Rehabilitated Areas' (R), as per the 2020 disturbance footprint dataset provided by ConsMin. A total of 235 ha of 'Rehabilitated Areas' were mapped, representing approximately 0.9 % of the Study Area (**Figure 5.9, Appendix O**).

5.2.10 Significant Vegetation

The desktop assessment did not identify any EPBC or DBCA-listed significant vegetation communities with records within the Desktop Study Area (**Section 0**). The closest significant vegetation record to the Study Area is an occurrence of the 'Stony saline clay plains of the Mosquito Land System' PEC (P3, DBCA-classified), located approximately 48 km to the west of the Study Area (DBCA 2007-). This PEC is largely restricted to an area east of Nullagine, and is characterised by *Triodia longiceps* grassland with scattered *Maireana melanocoma* and *Sclerolaena* spp. and includes Priority flora taxa *Atriplex spinulosa* (P1) and *Ptilotus wilsonii* (P1). It is dominated by (but not limited to) *Melaleuca eleuterostachya* and *Acacia bivenosa* occurring on saline red brown non-cracking clays with a mantle of quartz gravel and neutral subsurface soil material on level to undulating plains that are dissected by drainage lines (DBCA 2021). This PEC has been mapped on the 280Mo Mosquito System soil-landscape unit (DPIRD 2018), which does not occur within the Study Area (**Section 5.1.3**). Therefore, it is considered that none of the VTs described in the Study Area by the 2020 and 2021 surveys represent this PEC. Further, none of the Study Area VTs are considered to represent any other formally listed TECs (DAWE 2021b, DBCA 2018) or PECs (DBCA 2021).

In addition, none of the VTs described in the Study Area by the 2020 and 2021 surveys are considered to be significant for reasons other than formal listing (**Section 3.9.2**). Based on field observations and aerial photography interpretation, all VTs mapped in the Study Area are either known to, or considered likely to, extend outside the Study Area to some extent. VTs HG6, HG9, S2 and W1 are locally restricted, each being mapped over less than 1 % of the total area of the Study Area. However, it is considered that this is a result of only very small amounts of the landforms on which these VTs occur being intersected by the Study Area. Investigation of aerial photography indicates that the colluvial plains and flats on which VTs HG6 and HG9 occur continue to the northwest and west of the Study Area, while there are significant occurrences of minor drainage lines to the north and northwest of the Study Area that are similar to those within which VTs S2 and W1 have been mapped.

As no Pilbara-wide vegetation dataset defined at the same scale at which the Study Area VTs were defined is available, it is not possible to conclusively assess the significance of VTs in a regional context. However, based on the overall taxon composition of the VTs mapped, it is likely that these would be relatively widespread in the general region surrounding the Study Area; additionally, the landforms and geology with which the VTs are associated are known to occur widely in the region (**Sections 2.2 and 5.1.3**). Although several VTs are considered preferred habitat for conservation significant flora taxa with somewhat

restricted distributions (*Goodenia pedicellata* (P1), *Lepidium amelum* (P1) and *Tribulus minutus* (P1)), none of these taxa are particularly common in the VTs, and it is considered likely that these VTs would also occur to the northwest and west of the Study Area based on the landforms on aerial photography interpretation, and the recording of the above-mentioned taxa at numerous locations during targeted survey outside the Study Area (see **Section 5.2.3**).

5.2.11 Groundwater and Surface Water Dependent Vegetation

Riparian vegetation is defined as plant habitats and communities occurring in association with watercourses, both ephemeral and permanent. Five VTs mapped in the Study Area by the 2020 and 2021 surveys contain riparian vegetation:

- VT HG7: mapped on undulating and colluvial plains and flats, and occasionally in minor ephemeral drainage features. A total of 1,142.4 ha of VT HG7 was mapped in the Study Area (4.6 % of the entire Study Area)
- VT S1: mapped in minor ephemeral creeks and flowlines, and sometimes on undulating or colluvial stony plains. A total of 1,318.6 ha of VT S1 was mapped in the Study Area (5.3 % of the entire Study Area)
- VT S2: mapped in minor ephemeral creeks and flowlines, and on colluvial plains and flats. A total of 110.5 ha of VT S2 was mapped in the Study Area (0.4 % of the entire Study Area)
- VT W1: mapped in minor ephemeral creeks and flowlines and sometimes on colluvial plains. A total of 247.6 ha of VT W1 was mapped in the Study Area (1.0 % of the entire Study Area)
- VT W2: mapped in major creeks and flowlines, predominately ephemeral, but with some areas receiving groundwater discharge having permanent water. A total of 597.8 ha of VT W2 was mapped in the Study Area (2.4 % of the entire Study Area).

No other VTs mapped within the Study Area are considered to be wetlands. Therefore, of the VTs mapped in the Study Area by the 2020 and 2021 surveys, only VTs HG7, S1, S2, W1 and W2 are considered to be partially or totally dependent on surface water flows for survival.

Groundwater dependent vegetation is known to occur in the Pilbara, and is generally indicated by the presence of one or several phreatophytic taxa. These are:

- *Melaleuca argentea*: obligate¹ phreatophyte (Graham 2001; cited in Department of Water 2010). Studies by Graham (2001) indicate that this taxon has a shallow planiform root system adapted to areas of very shallow groundwater (2-3 m below ground level) and has difficulties adjusting to short periods of dry conditions (Department of Water 2010). Studies undertaken by BHP (1997) indicate that a decline in groundwater level of 0.5 m may result in decreased vigour of plants and that a decline of 1 m or more may result in plant death.
- *Eucalyptus camaldulensis*: obligate or facultative² phreatophyte, depending on the specific hydrological characteristics of a site (Department of Water 2010). It is likely that this taxon is phreatophytic when

¹ Taxa restricted to areas with shallow depths to groundwater that are highly dependent on groundwater for survival, particularly during dry parts of the year.

² Taxa that utilise groundwater opportunistically.

groundwater is present within 10 m of the surface, and may be sensitive when groundwater drawdown occurs at a rapid rate in these areas.

- *Sesbania formosa*: likely to be an obligate phreatophyte (Department of Water 2010).
- *Acacia ampliceps*, *Atalaya hemiglauca*, *Melaleuca glomerata* and *Melaleuca linophylla*: facultative phreatophytes, primarily based on their presence in major river channels where groundwater is known to be close to the surface (Loomes 2010a, 2010b; Loomes and Braimbridge 2010). No impacts through groundwater drawdown have been noted for these taxa based on observations by Woodman Environmental (2019b), indicating that these taxa have a low likelihood of being phreatophytes in most situations, and are generally likely to be vadophytes³.
- *Eucalyptus victrix*: suggested to be facultative phreatophyte in some situations (AQ2 2015; Eastham 2015; Loomes 2010a; Loomes and Braimbridge 2010); however, it is generally considered to be a vadophyte (AQ2 2015). Monitoring at the Ridley River (Pardoo) observed no significant long-term impacts or fatalities of *Eucalyptus victrix* trees surrounding a bore over three years of extraction and over five years after extraction cessation (Woodman Environmental 2019b); therefore, this taxon is not considered further.

Of the above-noted taxa, *Acacia ampliceps*, *Atalaya hemiglauca*, *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix* and *Melaleuca glomerata* were recorded in the Study Area by the 2020 and 2021 surveys. Based on the presence of *Eucalyptus camaldulensis* subsp. *refulgens* (the only obligate phreatophyte recorded in the Study Area), it is possible that some occurrences of VTs S2 and W2 are dependent on groundwater, if the local water table is within reach of the root systems of these taxa (generally within 10 m of the ground surface).

5.2.12 Vegetation Condition

Table 5.14 presents the area (ha) of each VT and corresponding condition rating (as per EPA 2016b; **Appendix A**) mapped in the Study Area by the 2020 and 2021 surveys. An overview of vegetation condition mapping described by the 2020 and 2021 surveys is presented in **Figure 5.10**, with detailed vegetation condition mapping, including locations of introduced flora taxa recorded in the Study Area, presented in **Appendix R**.

Vegetation condition mapping of assessed VTs was performed for 88.6 % (or 22,030 ha) of the Study Area. Of this mapped area, 64 % was rated as ‘Excellent’ condition (**Table 5.14, Figure 5.10**); these areas had no or little evidence of impact to vegetation composition as a result of human activities, or there were only low levels of introduced (weed) taxa.

The vegetation within VTs S2, TG1 and W2 recorded large areas (> 75 % of total extent mapped) of vegetation rated as ‘Good’ or poorer (**Table 5.14, Figure 5.10**). These areas generally displayed obvious signs of impacts to vegetation structure and species composition, primarily as a result of cattle trampling and grazing and the presence of moderate to large infestations of invasive weeds, particularly **Aerva javanica* and **Cenchrus ciliaris*. There were also some other small areas of other VTs mapped as ‘Very Good’ and ‘Good’ due to the presence of weed infestations (particularly **Aerva javanica*) and the presence of mechanical disturbance associated with historical mining activities.

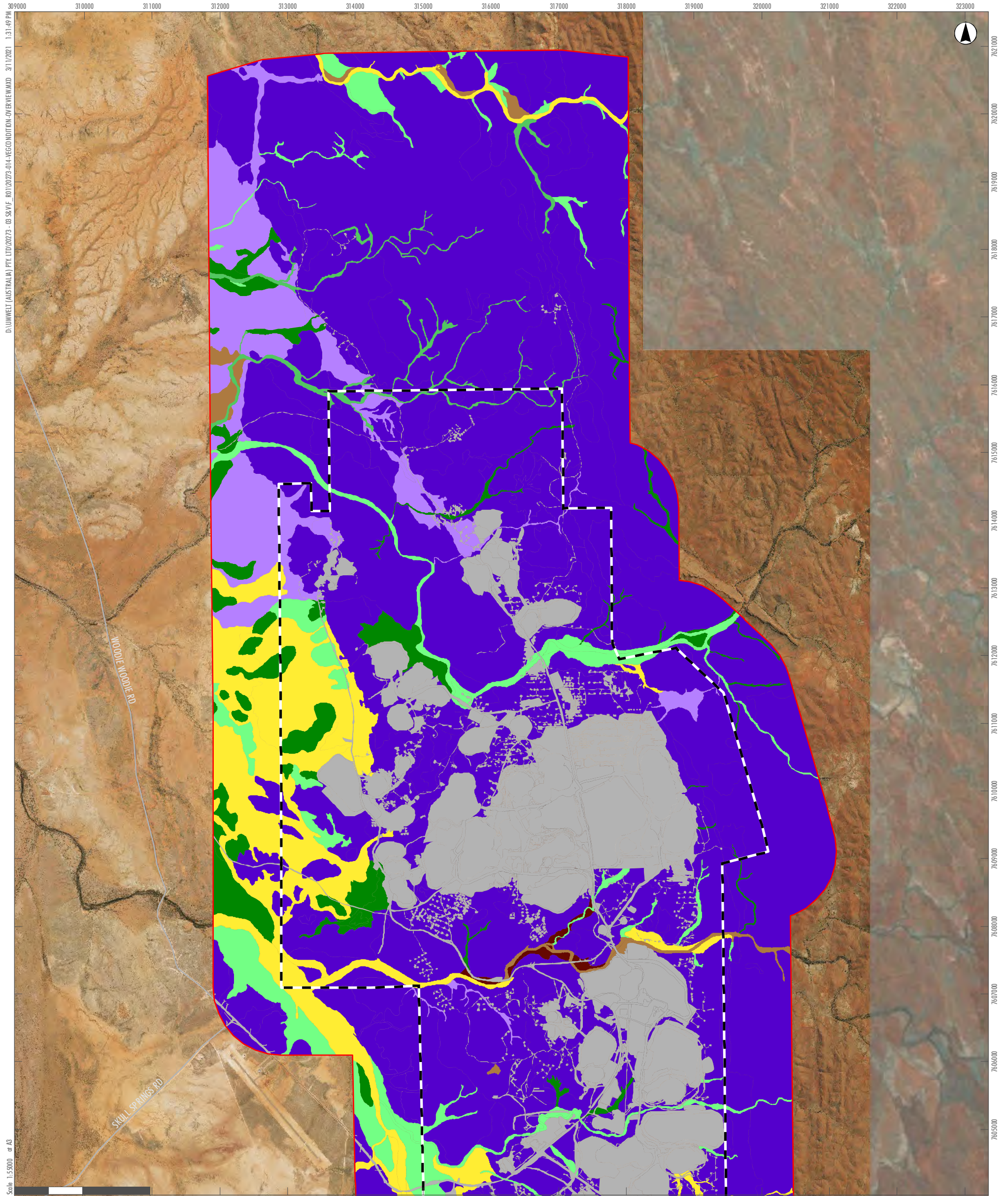
³ Taxa that rely on water from the unsaturated soil profile (vadose zone).

Some areas required mapping as mosaics of vegetation condition ratings (**Table 5.14, Figure 5.10**). Such areas were variable in condition depending on factors including cattle usage, and consequential weed infestations. Time constraints prevented field investigation to determine accurate condition boundaries in these areas, and therefore mapping as a mosaic was considered the most pragmatic approach in these situations.

Areas that were mapped as 'Cleared Land' or 'Rehabilitated Areas', or small patches of vegetation isolated within large occurrences of Cleared Land or Rehabilitated Areas, were all rated as 'Not Assessed' and comprise 11.4 % (or 2,838 ha) of the entire Study Area (**Figure 5.10**).

Table 5.14 Vegetation Condition Ratings for VTs Described in the Study Area by the 2020 and 2021 Surveys

| VT | Area Mapped (ha) | | | | | | | | Total |
|------|------------------|-----------------------|-----------|------------------|------|-------------|------|----------|-------|
| | Excellent | Very Good / Excellent | Very Good | Good / Very Good | Good | Poor / Good | Poor | Degraded | |
| HG1 | 4,017 | | | | | | | | 4,017 |
| HG2 | 315 | 18 | | | | | | | 333 |
| HG3 | | 255 | 16 | | 3 | | | | 274 |
| HG4 | 22 | 145 | 30 | 43 | 43 | 410 | | | 693 |
| HG5 | 144 | 307 | 19 | | 32 | | | | 502 |
| HG6 | 171 | | 5 | | | | | | 176 |
| HG7 | 154 | 584 | 118 | | 66 | 220 | | | 1,142 |
| HG8 | 215 | 168 | 273 | | 251 | | 28 | | 935 |
| HG9 | 28 | | 25 | | 42 | | | | 95 |
| HG10 | 3,460 | | | | | | | | 3,460 |
| HG11 | 4,020 | | | | | | | | 4,020 |
| HG12 | 3,302 | 12 | 10 | | | | | | 3,324 |
| S1 | 94 | 1,224 | | | | | | | 1,318 |
| S2 | 6 | 7 | 11 | | 62 | 24 | | | 110 |
| TG1 | | | | | 129 | 615 | 21 | 21 | 786 |
| W1 | 4 | 9 | 51 | 97 | 60 | 26 | | | 247 |
| W2 | | | | 20 | 133 | 420 | 25 | | 598 |



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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Roads
- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Very Good
 - Good / Very Good
 - Good
 - Poor / Good
 - Poor
 - Degraded
 - N/A

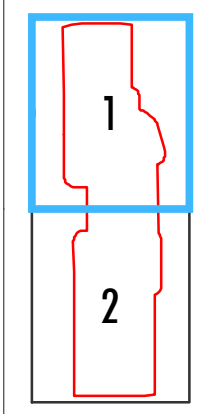
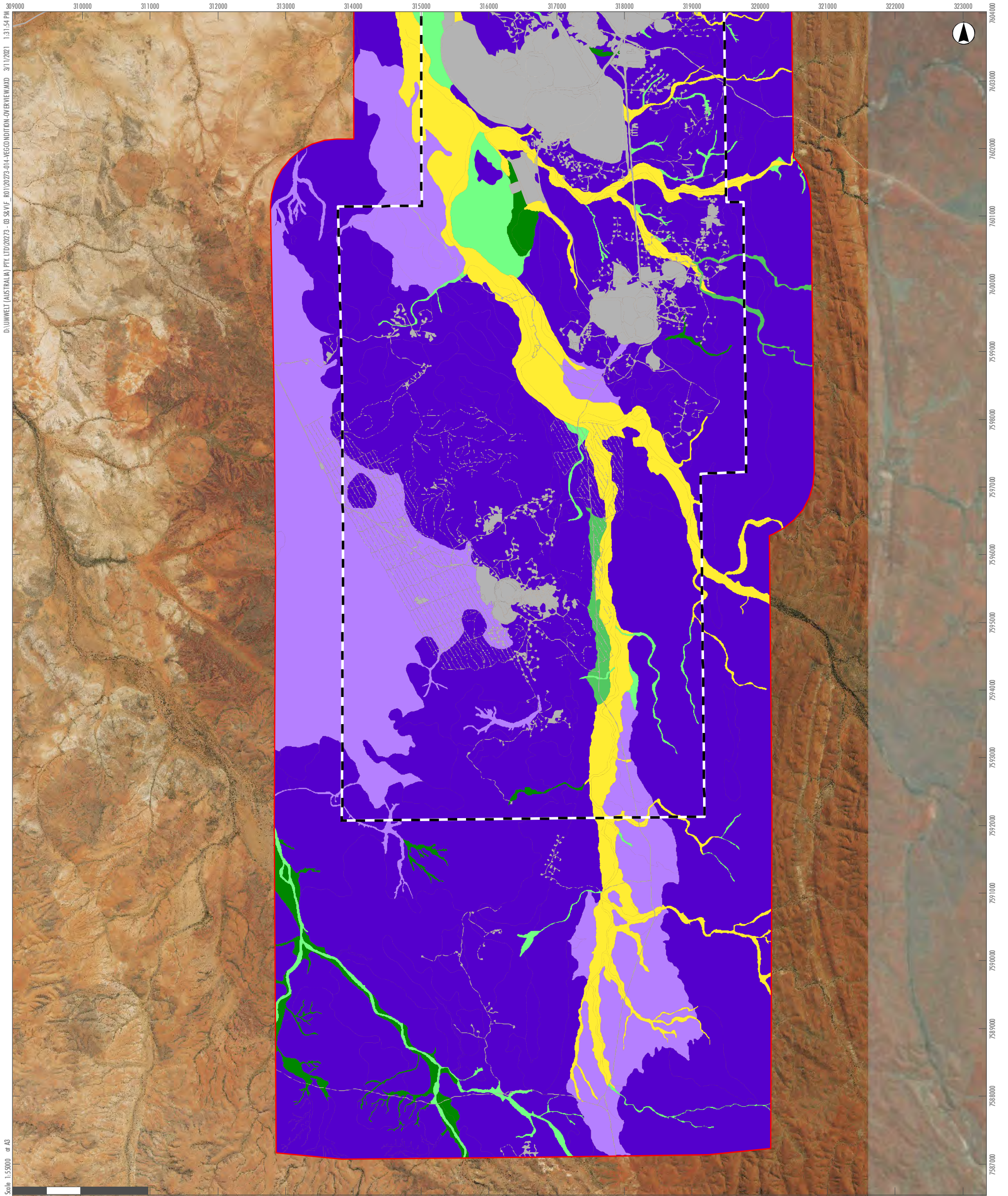


FIGURE 5.10
 Overview of Vegetation Condition Described by the Study Area by the 2020 and 2021 Surveys



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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Roads
- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Very Good
 - Good / Very Good
 - Good
 - Poor / Good
 - Poor
 - Degraded
 - N/A

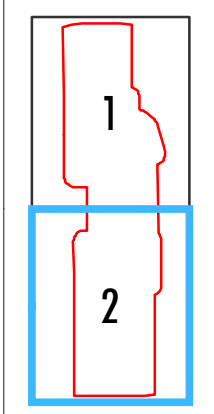


FIGURE 5.10
Overview of Vegetation Condition
Described by the Study Area by the
2020 and 2021 Surveys

6.0 Discussion and Conclusions

The Study Area is considered to have moderate diversity in terms of taxon richness, with 448 discrete vascular flora taxa recorded; this was generally expected given its location in the north of the Pilbara region, and the results of other surveys in the surrounding region. However, the location of the Study Area near the junction of the Pilbara IBRA Bioregion with the Great Sandy Desert and Little Sandy Desert Bioregions resulted in somewhat higher diversity of vegetation and flora than what would be expected in nearby local areas. Similar to the flora of the Study Area, the diversity of VTs within the Study Area is considered to be moderate, but likely slightly higher than surrounding areas for the same reasons outlined above.

Eleven significant flora taxa were recorded in the Study Area by the 2020 and 2021 surveys, including nine DBCA-classified Priority flora taxa and two taxa considered significant for other reasons as per EPA (2016a, 2016b). According to DBCA databases, *Euphorbia clementii* (P3), and to a lesser extent *Ptilotus mollis* (P4) and *Stylidium weeliwollii* (P3), are known from a large number of records and relatively wide distributions in WA, while *Euphorbia inappendiculata* var. *inappendiculata* (P2), *Kohautia australiensis* (P2) and *Tribulus minutus* (P1) have few records in WA but have distributions that spread across other states in Australia. Examination by staff at the WA Herbarium of *Goodenia pedicellata* (P1) specimens collected from the 2021 survey have shed some light on the long-standing confusion as to the taxonomic boundaries between this taxon and *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), the latter of which is no longer considered to occur in the Woodie Woodie area. This taxon, as well as *Lepidium amelum* (P1), are now known from relatively restricted distributions in the Oakover River area.

Six listed significant flora taxa were recorded at Woodie Woodie for the first time by the 2020 and 2021 surveys, being *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2), *Euphorbia inappendiculata* var. *inappendiculata* (P2), *Kohautia australiensis* (P2), *Ptilotus mollis* (P4), *Stylidium weeliwollii* (P3) and *Tribulus minutus* (P1). Furthermore, the records of *Euphorbia inappendiculata* var. *inappendiculata* (P2), *Kohautia australiensis* (P2), *Ptilotus mollis* (P4), *Stylidium weeliwollii* (P3) and *Tribulus minutus* (P1) in the Study Area, as well as a number of other flora taxa that are not of conservation significance, represent range extensions or fill holes in the known distribution of these taxa. This includes *Eremophila galeata*, which is currently only known from four records in the Pilbara region, with most other records concentrated in the eastern Midwest and western Goldfields regions (DBCA 2007-). The recorded location in the Study Area represents an almost 240 km range extension for this taxon; however, the area of the far-eastern Pilbara between the Study Area and the nearest known locations of *Eremophila galeata* is not well surveyed in a botanical context, and it is likely that other locations of this taxon occur in this area.

Two taxa considered significant under the 'new species or species with anomalous features that indicate a potential new species' reason from EPA (2016a, 2016b) were recorded in the Study Area by the 2020 and 2021 surveys, being *Corchorus* aff. *incanus* (potentially undescribed) and *Heliotropium* aff. *argyreum* (potentially undescribed). *Corchorus* aff. *incanus* (potentially undescribed) was recorded widely and in high numbers both inside the Study Area, as well as at and in the vicinity of regional survey sites. While *Heliotropium* aff. *argyreum* (potentially undescribed) was not searched for by the 2020 and 2021 surveys, it was also recorded widely throughout the Study Area, and generally appeared to show a habitat preference similar to that of *Corchorus* aff. *incanus* (potentially undescribed). It is considered likely that this entity is conspecific with *Heliotropium argyreum*, rather than representing an undescribed taxon, but collection of more material from the type area of *Heliotropium argyreum* is required to confirm this.

Extensive searching for all significant flora taxa previously recorded in the Study Area, or considered to potentially occur within the Study Area, was undertaken in the Footprint. Investigation of historical locations of *Aristida jerichoensis* var. *subspinulifera* (P3) in the Study Area was not possible as both known locations have subsequently been cleared; however, it is considered likely that these records are erroneous, and actually represent *Aristida pruinoso*. It is therefore considered unlikely that populations of significant flora taxa other than those recorded in 2020 and 2021 occur in the Footprint. It is likely that further locations of those significant flora taxa recorded in 2020 and 2021 occur in the wider Study Area, as not all suitable habitat for all taxa was searched.

None of the VTs mapped in the Study Area by the 2020 and 2021 surveys are considered to represent any formally listed TECs or PECs. It is also considered likely that none of the VTs are significant for any other reasons (as per EPA (2016a, 2016b)). All VTs are likely to be present outside the Study Area based on taxonomic composition and interpretation of vegetation and topographical patterns on aerial photography. The absence of a regional dataset also makes assessment of the significance of the vegetation of the Pilbara particularly problematic.

The majority of the vegetation in the Study Area was rated and mapped as being in 'Excellent' condition, with little to no historical mechanical disturbance and an absence or low levels of introduced flora taxa. However, the majority of larger drainage features, including creeks and flow lines, had lower condition ratings as a result of the presence of high densities of aggressive introduced taxa and high grazing and trampling impacts from cattle.

There were no survey limitations that are considered to have significantly influenced the results of the 2020 and 2021 surveys. There were some access-related issues in some areas as a result of large distances between available tracks; steep, rocky or unsafe terrain; access not being permitted to Indigenous Australian Heritage Sites; and inaccessible tracks due to rainfall received immediately prior to and during the 2021 Targeted Survey. The most significant access/remoteness issues were overcome with the use of a helicopter during the 2021 survey, allowing high intensity of sampling across the Study Area. Further, most Heritage Sites were relatively small and the vegetation could be observed from outside the site. Therefore, it is considered that these issues did not significantly affect the results of the Detailed surveys.

Systematic targeted survey for significant flora taxa identified by the desktop assessment and during quadrat sampling in 2020 was conducted in 2021 across the entire Footprint, as well as within the wider Study Area and surrounds (at local and regional survey sites). However, targeted survey for four significant flora taxa identified from plant collections made from quadrats sampled in 2021 was not undertaken, being *Euphorbia inappendiculata* var. *inappendiculata* (P2), *Heliotropium* aff. *argyreum* (potentially undescribed), *Kohautia australiensis* (P2) and *Stylidium weeliwolli* (P3). Further targeted survey may be required to adequately characterise the populations of these taxa in the Study Area.

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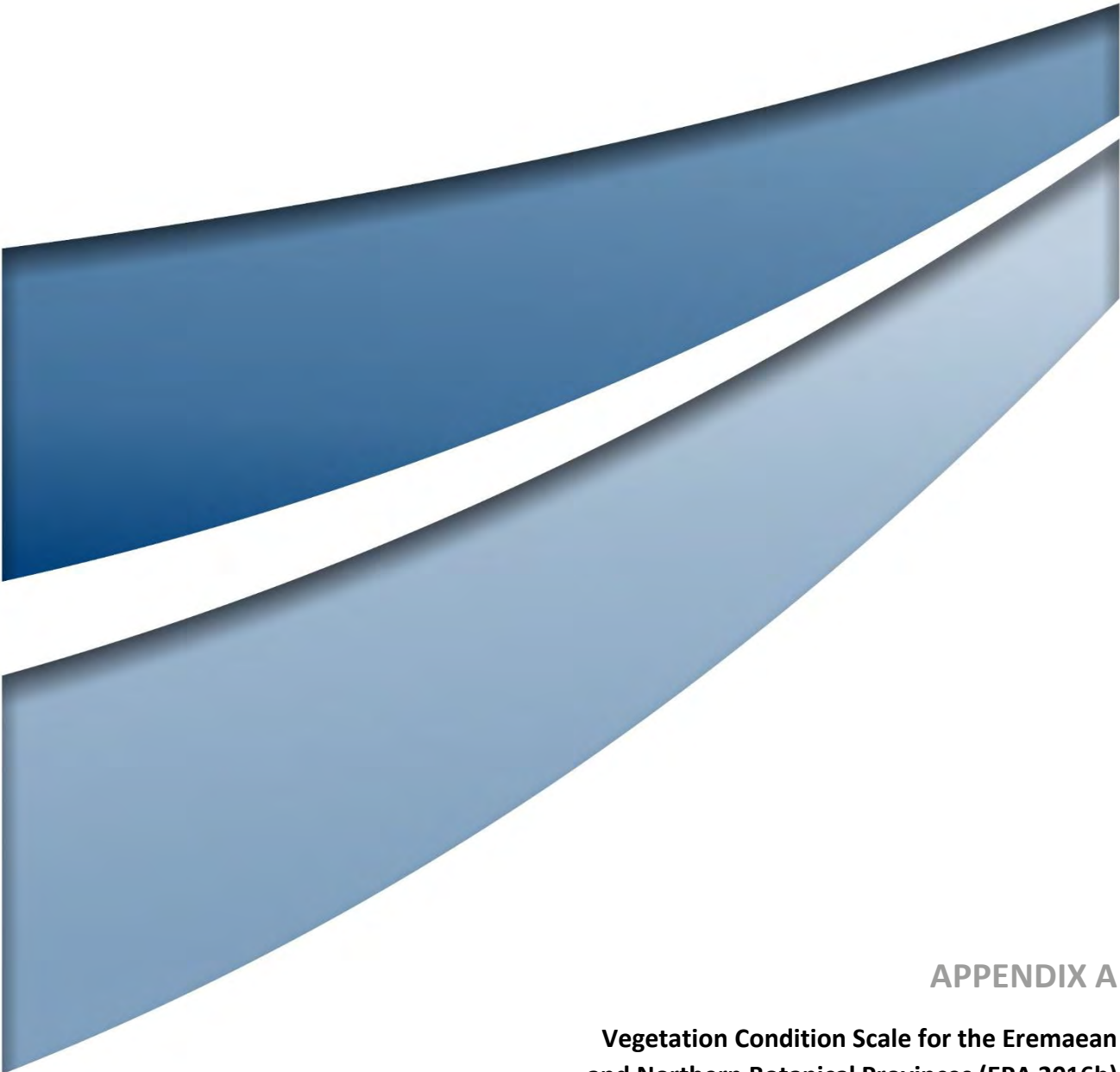
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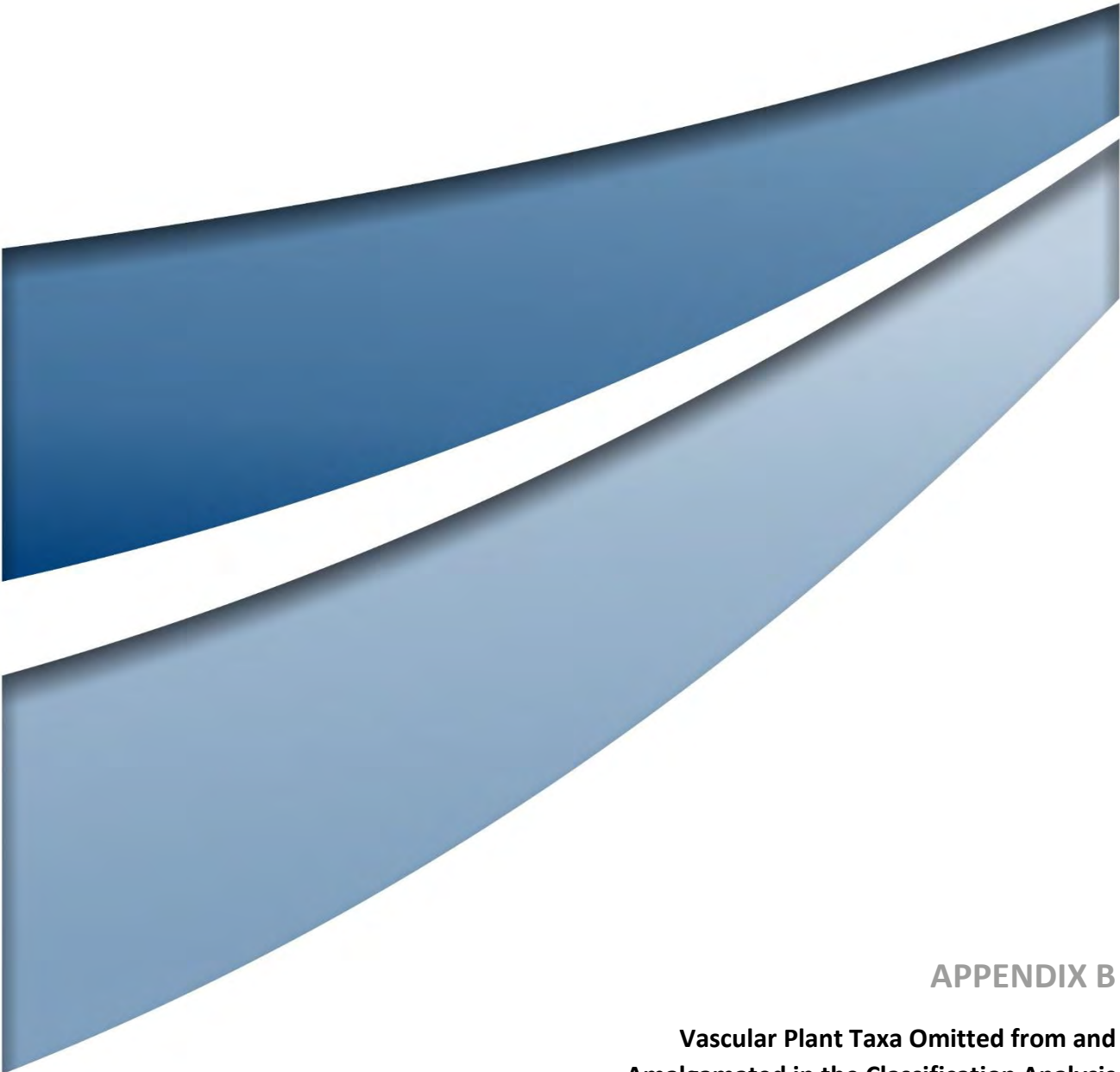
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APPENDIX A

**Vegetation Condition Scale for the Eremaean
and Northern Botanical Provinces (EPA 2016b)**

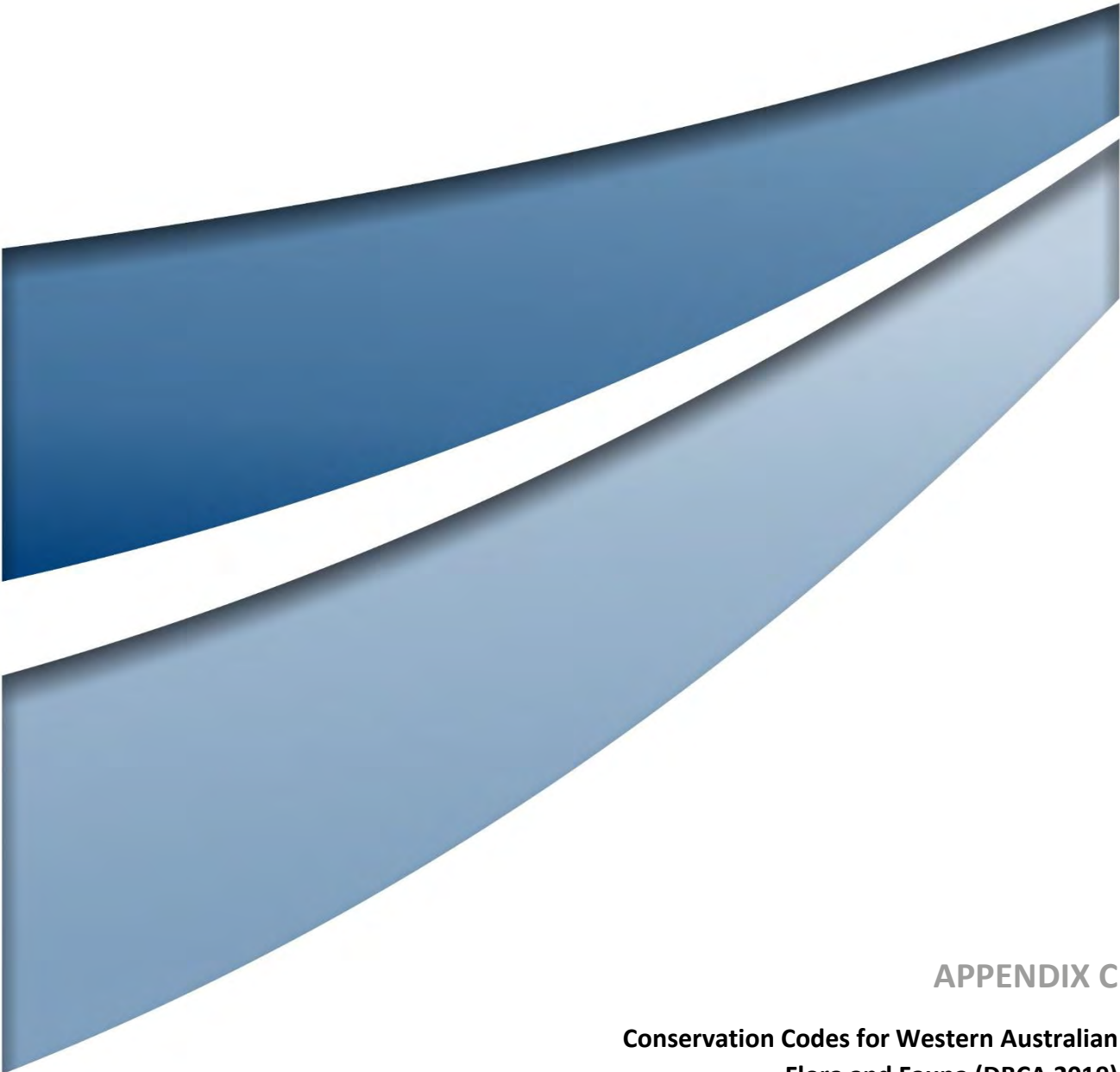
| Condition Ranking | Description |
|-----------------------------|---|
| Excellent (E) | Pristine or nearly so, no obvious signs of damage caused by human activities since European settlement |
| Very Good (VG) | Some relatively slight signs of damage caused by human activities since European settlement. 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 (G) | 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 (P) | 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 (D) | 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 (CD) | 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 B

**Vascular Plant Taxa Omitted from and
Amalgamated in the Classification Analysis**

| Action | Taxon | Reasoning |
|-------------|--|---|
| Amalgamated | <i>Acacia pyrifolia</i> var. <i>morrisonii</i> <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | Variants could not be consistently positively identified due to inadequate material |
| | <i>Evolvulus alsinoides</i> var. <i>decumbens</i> <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | Variants could not be consistently positively identified due to inadequate material |
| | <i>Hibiscus sturtii</i> <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | Variants could not be consistently positively identified due to inadequate material |
| | <i>Tephrosia rosea</i> var. <i>clementii</i> <i>Tephrosia rosea</i> var. <i>rosea</i> | Variants could not be consistently positively identified due to inadequate material |
| Omitted | <i>Haloragis gossei</i> var. <i>gossei</i> | Taxon is an annual or short-lived perennial |



APPENDIX C

**Conservation Codes for Western Australian
Flora and Fauna (DBCA 2019)**

Threatened, Extinct and Specially Protected fauna or flora⁴ are species⁵ which have been adequately searched for and are deemed to be, in the wild, threatened, extinct or in need of special protection, and have been gazetted as such.

The *Wildlife Conservation (Specially Protected Fauna) Notice 2018* and the *Wildlife Conservation (Rare Flora) Notice 2018* have been transitioned under regulations 170, 171 and 172 of the *Biodiversity Conservation Regulations 2018* to be the lists of Threatened, Extinct and Specially Protected species under Part 2 of the *Biodiversity Conservation Act 2016 (BC Act)*.

Categories of Threatened, Extinct and Specially Protected fauna and flora are:

T Threatened species

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 BC Act.

Threatened fauna is that subset of ‘Specially Protected Fauna’ listed under schedules 1 to 3 of the *Wildlife Conservation (Specially Protected Fauna) Notice 2018* for Threatened Fauna.

Threatened flora is that subset of ‘Rare Flora’ listed under schedules 1 to 3 of the *Wildlife Conservation (Rare Flora) Notice 2018* for Threatened Flora.

The assessment of the conservation status of these species is based on their national extent and ranked according to their level of threat using IUCN Red List categories and criteria as detailed below.

CR Critically endangered species

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 2018* for critically endangered fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* for critically endangered flora.

EN Endangered species

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 2018* for endangered fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* for endangered flora.

⁴ The definition of flora includes algae, fungi and lichens.

⁵ Species includes all taxa (plural of taxon - a classificatory group of any taxonomic rank, e.g. a family, genus, species or any infraspecific category i.e. subspecies or variety, or a distinct population).

VU Vulnerable species

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 2018* for vulnerable fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* 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

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 2018* for extinct fauna or the *Wildlife Conservation (Rare Flora) Notice 2018* for extinct flora.

EW Extinct in the wild species

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.

MI Migratory species

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 2018*.

CD Species of special conservation interest (conservation dependent fauna)

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 2018*.

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 2018*.

P 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.

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.

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.

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.

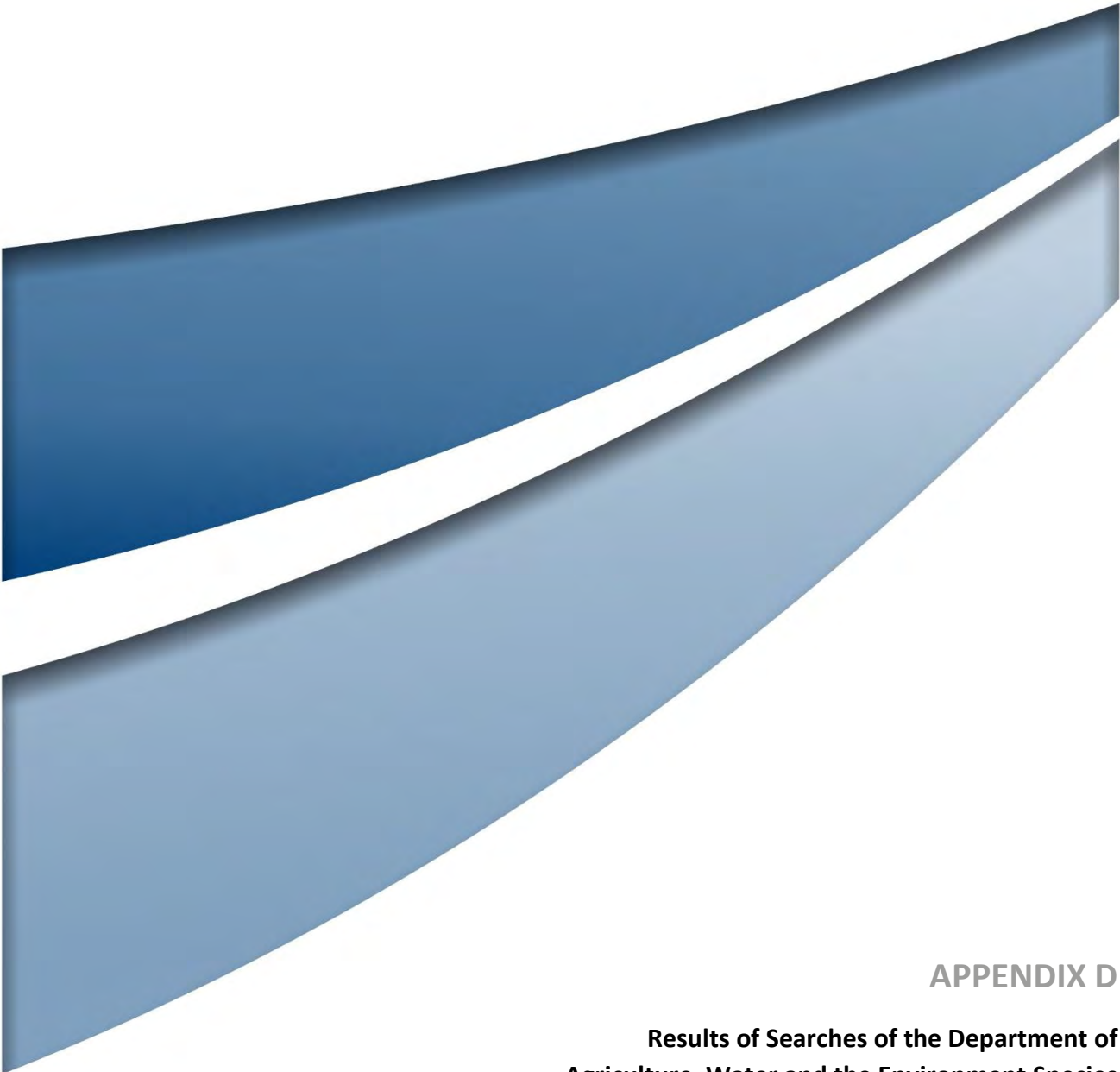
Priority 4: Rare, Near Threatened and other species in need of monitoring

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.

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.

Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.

Last updated 3 January 2019



APPENDIX D

**Results of Searches of the Department of
Agriculture, Water and the Environment Species
Profile and Threats Database (DAWE 2020, 2021)**



EPBC Act Protected Matters Report

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

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

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 09/07/20 15:05:33

[Summary](#)

[Details](#)

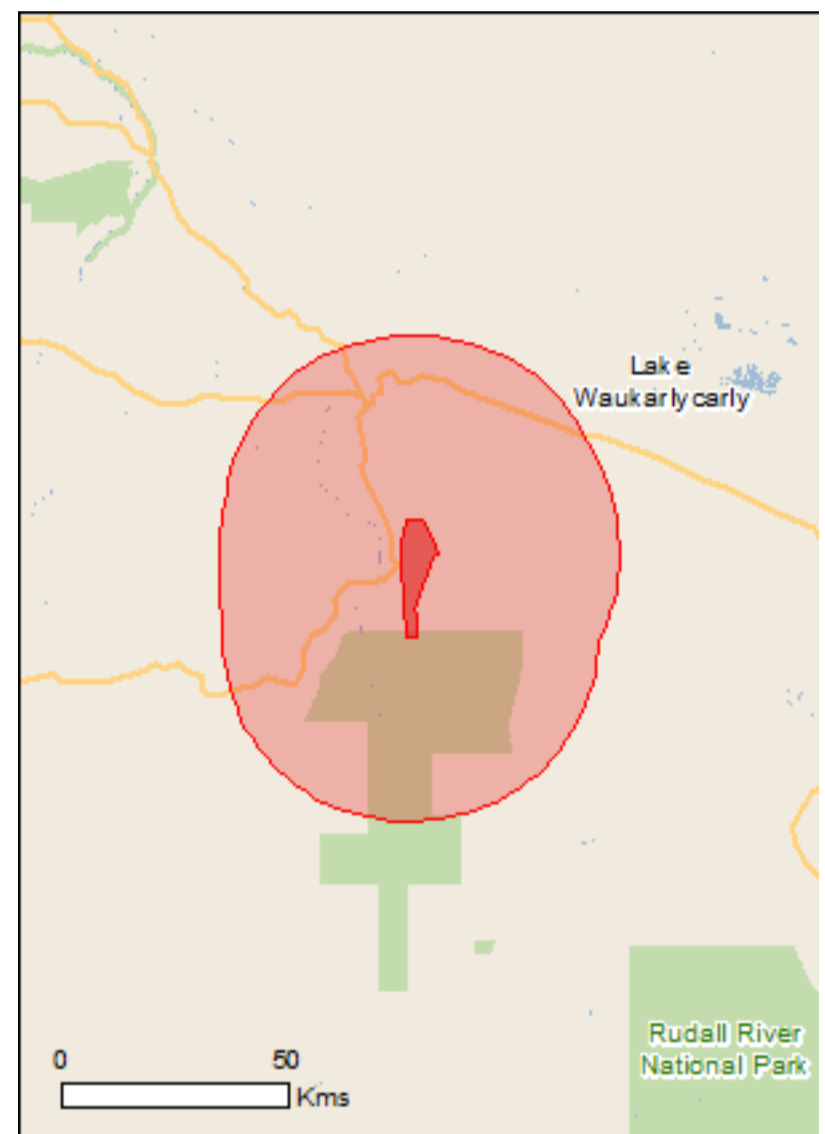
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

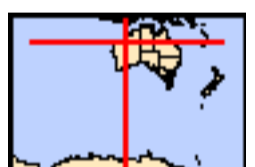
[Acknowledgements](#)



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

[Coordinates](#)

Buffer: 40.0Km



Summary

Matters of National Environmental Significance

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

| | |
|---|------|
| World Heritage Properties: | None |
| National Heritage Places: | None |
| Wetlands of International Importance: | None |
| Great Barrier Reef Marine Park: | None |
| Commonwealth Marine Area: | None |
| Listed Threatened Ecological Communities: | None |
| Listed Threatened Species: | 10 |
| Listed Migratory Species: | 11 |

Other Matters Protected by the EPBC Act

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

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

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

| | |
|--|------|
| Commonwealth Land: | None |
| Commonwealth Heritage Places: | None |
| Listed Marine Species: | 17 |
| Whales and Other Cetaceans: | None |
| Critical Habitats: | None |
| Commonwealth Reserves Terrestrial: | None |
| Australian Marine Parks: | None |

Extra Information

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

| | |
|--|------|
| State and Territory Reserves: | None |
| Regional Forest Agreements: | None |
| Invasive Species: | 11 |
| Nationally Important Wetlands: | None |
| Key Ecological Features (Marine) | None |

Details

Matters of National Environmental Significance

Listed Threatened Species [\[Resource Information \]](#)

| Name | Status | Type of Presence |
|------|--------|------------------|
|------|--------|------------------|

Birds

| | | |
|---|-----------------------|--|
| Calidris ferruginea Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area |
|---|-----------------------|--|

| | | |
|--|------------|--|
| Pezoporus occidentalis Night Parrot [59350] | Endangered | Species or species habitat likely to occur within area |
|--|------------|--|

| | | |
|---|------------|--|
| Polytelis alexandrae Princess Parrot, Alexandra's Parrot [758] | Vulnerable | Species or species habitat may occur within area |
|---|------------|--|

| | | |
|--|------------|--|
| Rostratula australis Australian Painted Snipe [77037] | Endangered | Species or species habitat may occur within area |
|--|------------|--|

Mammals

| | | |
|---|------------|--|
| Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331] | Endangered | Species or species habitat likely to occur within area |
|---|------------|--|

| | | |
|---|------------|--------------------------------------|
| Macroderma gigas Ghost Bat [174] | Vulnerable | Breeding likely to occur within area |
|---|------------|--------------------------------------|

| | | |
|---|------------|--|
| Macrotis lagotis Greater Bilby [282] | Vulnerable | Species or species habitat likely to occur within area |
|---|------------|--|

| | | |
|---|------------|---|
| Rhinonictoris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790] | Vulnerable | Species or species habitat known to occur within area |
|---|------------|---|

Reptiles

| | | |
|---|------------|---|
| Liasis olivaceus barroni Olive Python (Pilbara subspecies) [66699] | Vulnerable | Species or species habitat known to occur within area |
|---|------------|---|

| | | |
|--|------------|--|
| Liopholis kintorei Great Desert Skink, Tjakura, Warrarna, Mulyamiji [83160] | Vulnerable | Species or species habitat may occur within area |
|--|------------|--|

Listed Migratory Species [\[Resource Information \]](#)

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

| Name | Threatened | Type of Presence |
|------|------------|------------------|
|------|------------|------------------|

Migratory Marine Birds

| | | |
|---|--|--|
| Apus pacificus Fork-tailed Swift [678] | | Species or species habitat likely to occur |
|---|--|--|

| Name | Threatened | Type of Presence within area |
|--|-----------------------|---|
| Migratory Terrestrial Species | | |
| Hirundo rustica Barn Swallow [662] | | Species or species habitat may occur within area |
| 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 known to occur within area |
| Calidris acuminata Sharp-tailed Sandpiper [874] | | Species or species habitat may occur within area |
| Calidris ferruginea Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area |
| Calidris melanotos Pectoral Sandpiper [858] | | Species or species habitat may occur within area |
| Charadrius veredus Oriental Plover, Oriental Dotterel [882] | | Species or species habitat may occur within area |
| Glareola maldivarum Oriental Pratincole [840] | | Species or species habitat may occur within area |
| Pandion haliaetus Osprey [952] | | Species or species habitat known to occur within area |

Other Matters Protected by the EPBC Act

| Listed Marine Species | | [Resource Information] |
|--|------------|--|
| * Species is listed under a different scientific name on the EPBC Act - Threatened Species list. | | |
| Name | Threatened | Type of Presence |
| Birds | | |
| Actitis hypoleucos Common Sandpiper [59309] | | Species or species habitat known to occur within area |
| Apus pacificus Fork-tailed Swift [678] | | Species or species habitat likely to occur within area |
| Ardea alba Great Egret, White Egret [59541] | | Species or species habitat known to occur within area |
| Ardea ibis Cattle Egret [59542] | | Species or species habitat may occur within area |
| Calidris acuminata Sharp-tailed Sandpiper [874] | | Species or species |

| Name | Threatened | Type of Presence |
|--|-----------------------|---|
| Calidris ferruginea Curlew Sandpiper [856] | Critically Endangered | habitat may occur within area 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 |
| Chrysococcyx osculans Black-eared Cuckoo [705] | | Species or species habitat known to occur within area |
| Glareola maldivarum Oriental Pratincole [840] | | Species or species habitat may occur within area |
| Haliaeetus leucogaster White-bellied Sea-Eagle [943] | | Species or species habitat known to occur within area |
| Hirundo rustica Barn Swallow [662] | | Species or species habitat may occur within area |
| Merops ornatus Rainbow Bee-eater [670] | | Species or species habitat may occur within area |
| 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 |
| Pandion haliaetus Osprey [952] | | Species or species habitat known to occur within area |
| Rostratula benghalensis (sensu lato) Painted Snipe [889] | Endangered* | Species or species habitat may occur within area |

Extra Information

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

| Name | Status | Type of Presence |
|--|--------|--|
| Birds | | |
| Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803] | | Species or species habitat likely to occur within area |
| Mammals | | |
| Camelus dromedarius Dromedary, Camel [7] | | Species or species |

| Name | Status | Type of Presence |
|---|--------|---|
| Canis lupus familiaris Domestic Dog [82654] | | habitat likely to occur within area Species or species habitat likely to occur within area |
| Equus asinus Donkey, Ass [4] | | Species or species habitat likely to occur within area |
| Equus caballus Horse [5] | | Species or species habitat likely to occur within area |
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| Plants | | |
| Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213] | | Species or species habitat likely to occur within area |

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

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- marine

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- seals which have only been mapped for breeding sites near the Australian continent

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

Coordinates

-21.548595 121.199872,-21.548276 121.231801,-21.584675 121.249825,-21.592496 121.257035,-21.615798 121.260812,-21.617554 121.254117,-21.71455 121.214806,-21.721248 121.218926,-21.766053 121.21824,-21.766531 121.197984,-21.626969 121.191117,-21.596008 121.19146,-21.548436 121.199872,-21.548595 121.199872

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- [-Other groups and individuals](#)

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Please feel free to provide feedback via the [Contact Us](#) page.



EPBC Act Protected Matters Report

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

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

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 28/07/21 17:19:12

[Summary](#)

[Details](#)

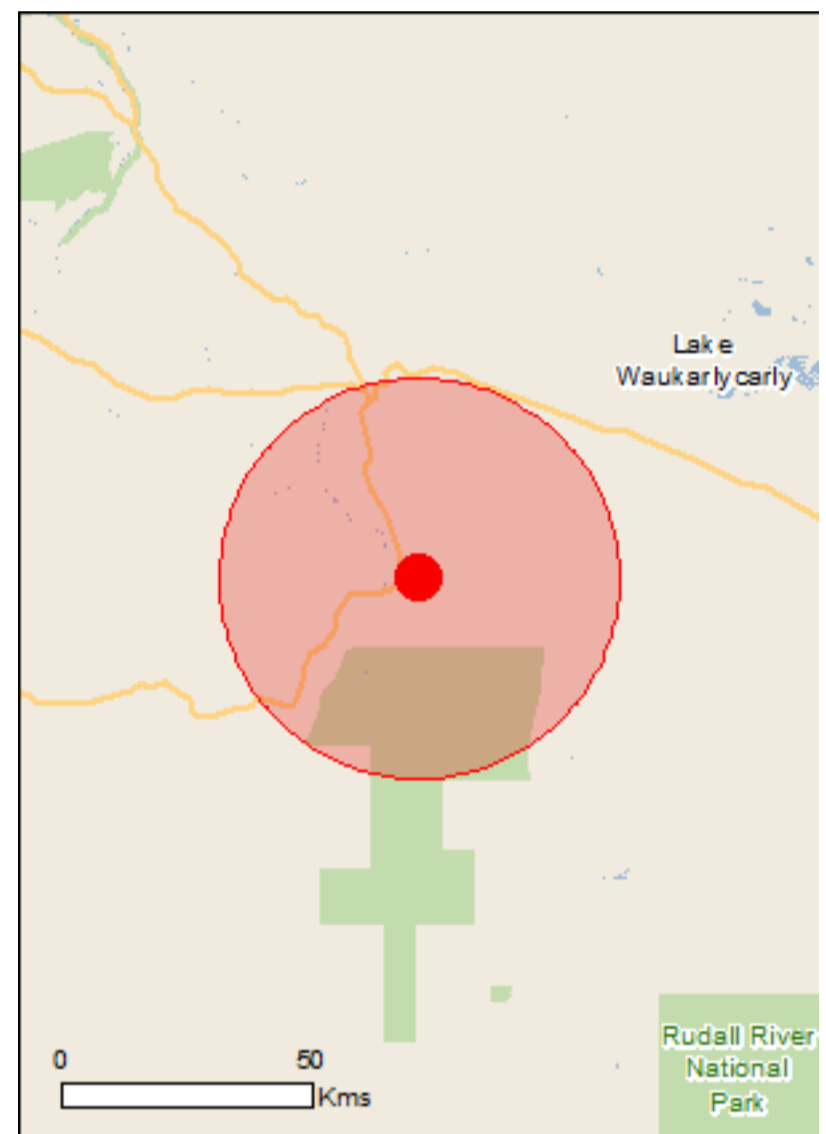
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

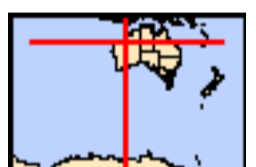
[Acknowledgements](#)



This map may contain data which are
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[Coordinates](#)

Buffer: 40.0Km



Summary

Matters of National Environmental Significance

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

| | |
|---|------|
| World Heritage Properties: | None |
| National Heritage Places: | None |
| Wetlands of International Importance: | None |
| Great Barrier Reef Marine Park: | None |
| Commonwealth Marine Area: | None |
| Listed Threatened Ecological Communities: | None |
| Listed Threatened Species: | 11 |
| Listed Migratory Species: | 11 |

Other Matters Protected by the EPBC Act

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

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

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

| | |
|--|------|
| Commonwealth Land: | None |
| Commonwealth Heritage Places: | None |
| Listed Marine Species: | 16 |
| Whales and Other Cetaceans: | None |
| Critical Habitats: | None |
| Commonwealth Reserves Terrestrial: | None |
| Australian Marine Parks: | None |

Extra Information

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

| | |
|--|------|
| State and Territory Reserves: | None |
| Regional Forest Agreements: | None |
| Invasive Species: | 10 |
| Nationally Important Wetlands: | None |
| Key Ecological Features (Marine) | None |

Details

Matters of National Environmental Significance

Listed Threatened Species [\[Resource Information \]](#)

| Name | Status | Type of Presence |
|------|--------|------------------|
|------|--------|------------------|

Birds

| | | |
|---|-----------------------|--|
| Calidris ferruginea Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area |
|---|-----------------------|--|

| | | |
|---|------------|--|
| Falco hypoleucos Grey Falcon [929] | Vulnerable | Species or species habitat likely to occur within area |
|---|------------|--|

| | | |
|--|------------|--|
| Pezoporus occidentalis Night Parrot [59350] | Endangered | Species or species habitat likely to occur within area |
|--|------------|--|

| | | |
|---|------------|--|
| Polytelis alexandrae Princess Parrot, Alexandra's Parrot [758] | Vulnerable | Species or species habitat may occur within area |
|---|------------|--|

| | | |
|--|------------|--|
| Rostratula australis Australian Painted Snipe [77037] | Endangered | Species or species habitat may occur within area |
|--|------------|--|

Mammals

| | | |
|---|------------|--|
| Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331] | Endangered | Species or species habitat likely to occur within area |
|---|------------|--|

| | | |
|---|------------|--------------------------------------|
| Macroderma gigas Ghost Bat [174] | Vulnerable | Breeding likely to occur within area |
|---|------------|--------------------------------------|

| | | |
|---|------------|--|
| Macrotis lagotis Greater Bilby [282] | Vulnerable | Species or species habitat likely to occur within area |
|---|------------|--|

| | | |
|---|------------|---|
| Rhinonictoris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790] | Vulnerable | Species or species habitat known to occur within area |
|---|------------|---|

Reptiles

| | | |
|---|------------|---|
| Liasis olivaceus barroni Olive Python (Pilbara subspecies) [66699] | Vulnerable | Species or species habitat known to occur within area |
|---|------------|---|

| | | |
|--|------------|--|
| Liopholis kintorei Great Desert Skink, Tjakura, Warrarna, Mulyamiji [83160] | Vulnerable | Species or species habitat may occur within area |
|--|------------|--|

Listed Migratory Species [\[Resource Information \]](#)

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

| Name | Threatened | Type of Presence |
|------|------------|------------------|
|------|------------|------------------|

Migratory Marine Birds

| Name | Threatened | Type of Presence |
|--|-----------------------|--|
| Apus pacificus Fork-tailed Swift [678] | | Species or species habitat likely to occur within area |
| Migratory Terrestrial Species | | |
| Hirundo rustica Barn Swallow [662] | | Species or species habitat may occur within area |
| 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 known to occur within area |
| Calidris acuminata Sharp-tailed Sandpiper [874] | | Species or species habitat may occur within area |
| Calidris ferruginea Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area |
| Calidris melanotos Pectoral Sandpiper [858] | | Species or species habitat may occur within area |
| Charadrius veredus Oriental Plover, Oriental Dotterel [882] | | Species or species habitat may occur within area |
| Glareola maldivarum Oriental Pratincole [840] | | Species or species habitat may occur within area |
| Pandion haliaetus Osprey [952] | | Species or species habitat known to occur within area |

Other Matters Protected by the EPBC Act

| Listed Marine Species | | [Resource Information] |
|--|------------|--|
| * Species is listed under a different scientific name on the EPBC Act - Threatened Species list. | | |
| Name | Threatened | Type of Presence |
| Birds | | |
| Actitis hypoleucos Common Sandpiper [59309] | | Species or species habitat known to occur within area |
| Apus pacificus Fork-tailed Swift [678] | | Species or species habitat likely to occur within area |
| Ardea ibis Cattle Egret [59542] | | Species or species habitat may occur within area |
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| Name | Threatened | Type of Presence area |
|--|-----------------------|---|
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| 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 |
| Chrysococcyx osculans Black-eared Cuckoo [705] | | Species or species habitat known to occur within area |
| Glareola maldivarum Oriental Pratincole [840] | | Species or species habitat may occur within area |
| Haliaeetus leucogaster White-bellied Sea-Eagle [943] | | Species or species habitat known to occur within area |
| Hirundo rustica Barn Swallow [662] | | Species or species habitat may occur within area |
| Merops ornatus Rainbow Bee-eater [670] | | Species or species habitat may occur within area |
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| Name | Status | Type of Presence |
|------|--------|------------------|
|------|--------|------------------|

| Name | Status | Type of Presence |
|---|--------|--|
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| Camelus dromedarius Dromedary, Camel [7] | | Species or species habitat likely to occur within area |
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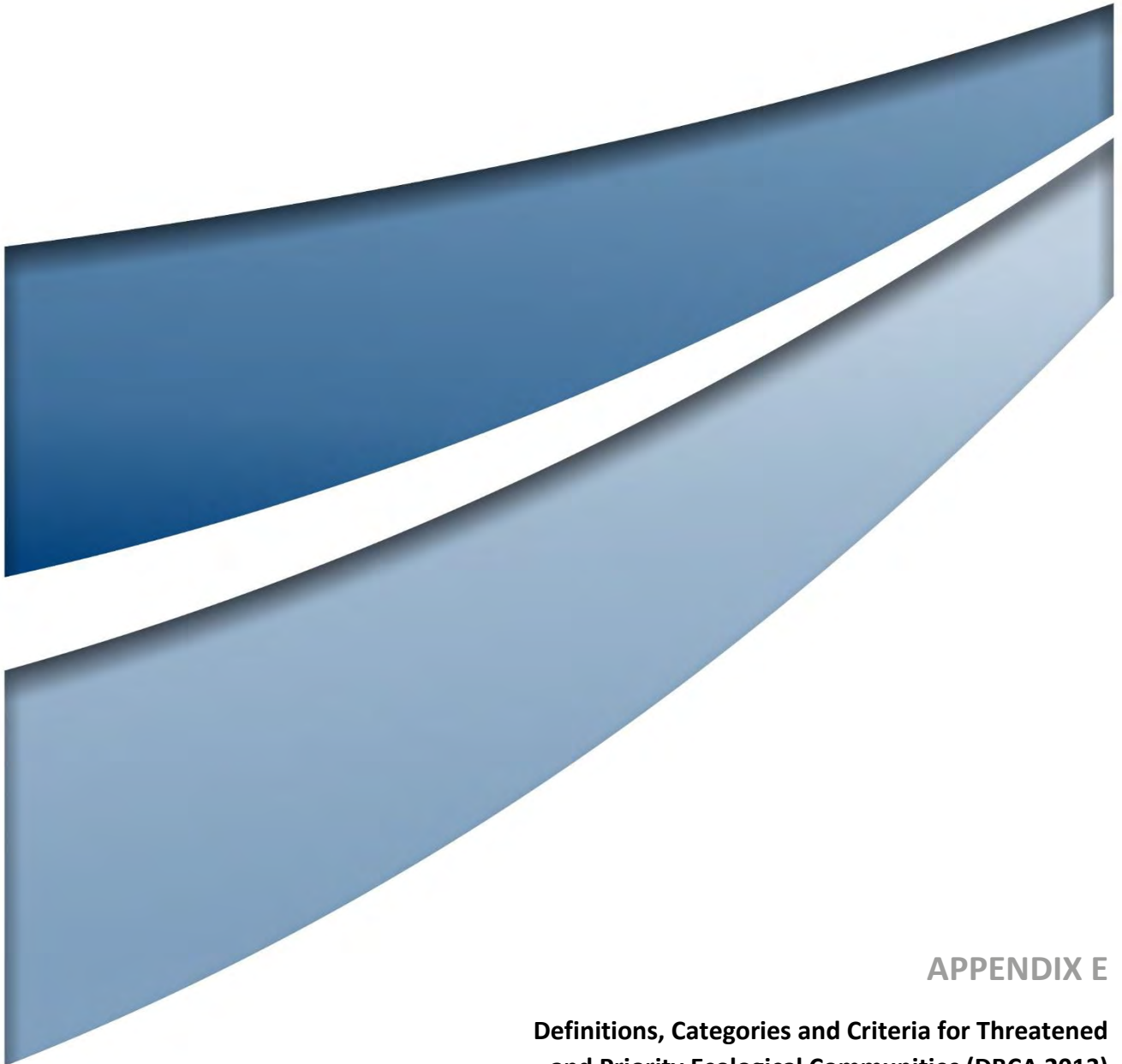
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APPENDIX E

**Definitions, Categories and Criteria for Threatened
and Priority Ecological Communities (DBCA 2013)**

1. GENERAL DEFINITIONS

Ecological Community: A naturally occurring biological assemblage that occurs in a particular type of habitat.

Note: The scale at which ecological communities are defined will often depend on the level of detail in the information source, therefore no particular scale is specified.

A **threatened ecological community** (TEC) is one which is found to fit into one of the following categories; “presumed totally destroyed”, “critically endangered”, “endangered” or “vulnerable”.

Possible threatened ecological communities that do not meet survey criteria are added to DEC’s Priority Ecological Community Lists under Priorities 1, 2 and 3. Ecological Communities that are adequately known, are rare but not threatened, or meet criteria for Near Threatened, or that have been recently removed from the threatened list, are placed in Priority 4. These ecological communities require regular monitoring. Conservation Dependent ecological communities are placed in Priority 5.

An **assemblage** is a defined group of biological entities.

Habitat is defined as the areas in which an organism and/or assemblage of organisms lives. It includes the abiotic factors (e.g. substrate and topography), and the biotic factors.

Occurrence: a discrete example of an ecological community, separated from other examples of the same community by more than 20 metres of a different ecological community, an artificial surface or a totally destroyed community.

By ensuring that every discrete occurrence is recognised and recorded future changes in status can be readily monitored.

Adequately Surveyed is defined as follows:

“An ecological community that has been searched for thoroughly in most likely habitats, by relevant experts.”

Community structure is defined as follows:

“The spatial organisation, construction and arrangement of the biological elements comprising a biological assemblage” (e.g. *Eucalyptus salmonophloia* woodland over scattered small shrubs over dense herbs; structure in a faunal assemblage could refer to trophic structure, e.g. dominance by feeders on detritus as distinct from feeders on live plants).

Definitions of Modification and Destruction of an ecological community:

Modification: “changes to some or all of ecological processes (including abiotic processes such as hydrology), species composition and community structure as a direct or indirect result of human activities. The level of damage involved could be ameliorated naturally or by human intervention.”

Destruction: “modification such that reestablishment of ecological processes, species composition and community structure within the range of variability exhibited by the original community is unlikely within the foreseeable future even with positive human intervention.”

Note: Modification and destruction are difficult concepts to quantify, and their application will be determined by scientific judgement. Examples of modification and total destruction are cited below:

Modification of ecological processes: The hydrology of Toolibin Lake has been altered by clearing of the catchment such that death of some of the original flora has occurred due to dependence on fresh water. The system may be bought back to a semblance of the original state by redirecting saline runoff and pumping waters of the rising underground watertable away to restore the hydrological balance. Total destruction of downstream lakes has occurred due to hydrology being altered to the point that few of the original flora or fauna species are able to tolerate the level of salinity and/or water logging.

Modification of structure: The understorey of a plant community may be altered by weed invasion due to nutrient enrichment by addition of fertiliser. Should the additional nutrients be removed from the system the balance may be restored, and the original plant species better able to compete. Total destruction may occur if additional nutrients continue to be added to the system causing the understorey to be completely replaced by weed species, and death of overstorey species due to inability to tolerate high nutrient levels.

Modification of species composition: Pollution may cause alteration of the invertebrate species present in a freshwater lake. Removal of pollutants may allow the return of the original inhabitant species. Addition of residual highly toxic substances may cause permanent changes to water quality, and total destruction of the community.

Threatening processes are defined as follows:

“Any process or activity that threatens to destroy or significantly modify the ecological community and/or affect the continuing evolutionary processes within any ecological community.”

Examples of some of the continuing threatening processes in Western Australia include: general pollution; competition, predation and change induced in ecological communities as a result of introduced animals; competition and displacement of native plants by introduced species; hydrological changes; inappropriate fire regimes; diseases resulting from introduced microorganisms; direct human exploitation and disturbance of ecological communities.

Restoration is defined as returning an ecological community to its pre-disturbance or natural state in terms of abiotic conditions, community structure and species composition.

Rehabilitation is defined as the re-establishment of ecological attributes in a damaged ecological community although the community will remain modified.

2. DEFINITIONS AND CRITERIA FOR PRESUMED TOTALLY DESTROYED, CRITICALLY ENDANGERED, ENDANGERED AND VULNERABLE ECOLOGICAL COMMUNITIES

Presumed Totally Destroyed (PD)

An ecological community that has been adequately searched for but for which no representative occurrences have been located. The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence of it is likely to recover its species composition and/or structure in the foreseeable future.

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 (a or b):

- a. Records within the last 50 years have not been confirmed despite thorough searches of known or likely habitats **or**
- b. All occurrences recorded within the last 50 years have since been destroyed.

Critically Endangered (CR)

An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or that was originally of limited distribution and is facing severe modification or destruction throughout its range in the immediate future, or is already severely degraded throughout its range but capable of being substantially restored or rehabilitated.

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. This will be determined on the basis of the best available information, by it meeting **any one or more** of the following criteria (a, b or c):

- a. The estimated geographic range, and/or total area occupied, and/or number of discrete occurrences since European settlement have been reduced by at least 90% **and either or both** of the following apply (i or ii):
 - i. Geographic range, and/or total area occupied and/or number of discrete occurrences are continuing to decline such that total destruction of the community is imminent (within approximately 10 years)
 - ii. Modification throughout its range is continuing such that in the immediate future (within approximately 10 years) the community is unlikely to be capable of being substantially rehabilitated.
- b. Current distribution is limited, **and one or more** of the following apply (i, ii or iii):
 - i. Geographic range and/or number of discrete occurrences, and/or area occupied is highly restricted and the community is currently subject to known threatening processes which are likely to result in total destruction throughout its range in the immediate future (within approximately 10 years)

- ii. There are very few occurrences, each of which is small and/or isolated and extremely vulnerable to known threatening processes
 - iii. There may be many occurrences but total area is very small and each occurrence is small and/or isolated and extremely vulnerable to known threatening processes.
- c. The ecological community exists only as highly modified occurrences that may be capable of being rehabilitated if such work begins in the immediate future (within approximately 10 years).

Endangered (EN)

An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or was originally of limited distribution and is in danger of significant modification throughout its range or severe modification or destruction over most of its range in the near future.

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. This will be determined on the basis of the best available information by it meeting **any one or more** of the following criteria (a, b, or c):

- a. The geographic range, and/or total area occupied, and/or number of discrete occurrences have been reduced by at least 70 % since European settlement **and either or both** of the following apply (i or ii):
 - i. The estimated geographic range, and/or total area occupied and/or number of discrete occurrences are continuing to decline such that total destruction of the community is likely in the short term future (within approximately 20 years)
 - ii. Modification throughout its range is continuing such that in the short term future (within approximately 20 years) the community is unlikely to be capable of being substantially restored or rehabilitated.
- b. Current distribution is limited, **and one or more** of the following apply (i, ii or iii):
 - i. Geographic range and/or number of discrete occurrences, and/or area occupied is highly restricted and the community is currently subject to known threatening processes which are likely to result in total destruction throughout its range in the short term future (within approximately 20 years)
 - ii. There are few occurrences, each of which is small and/or isolated and all or most occurrences are very vulnerable to known threatening processes
 - iii. There may be many occurrences but total area is small and all or most occurrences are small and/or isolated and very vulnerable to known threatening processes.
- c. The ecological community exists only as very modified occurrences that may be capable of being substantially restored or rehabilitated if such work begins in the short-term future (within approximately 20 years).

Vulnerable (VU)

An ecological community that has been adequately surveyed and is found to be declining and/or has declined in distribution and/or condition and whose ultimate security has not yet been assured and/or a community that is still widespread but is believed likely to move into a category of higher threat in the near future if threatening processes continue or begin operating throughout its range.

An ecological community will be listed as **Vulnerable** when it has been adequately surveyed and is not Critically Endangered or Endangered but is facing a high risk of total destruction or significant modification in the medium (within approximately 50 years) to long-term future. This will be determined on the basis of the best available information by it meeting **any one or more** of the following criteria (a, b or c):

- a. The ecological community exists largely as modified occurrences that are likely to be capable of being substantially restored or rehabilitated.
- b. The ecological community may already be modified and would be vulnerable to threatening processes, is restricted in area and/or range and/or is only found at a few locations.
- c. The ecological community may be still widespread but is believed likely to move into a category of higher threat in the medium to long term future because of existing or impending threatening processes.

3. DEFINITIONS AND CRITERIA FOR PRIORITY ECOLOGICAL COMMUNITIES

Possible threatened ecological communities that do not meet survey criteria or that are not adequately defined are added to the Priority Ecological Community Lists under Priorities 1, 2 and 3. These three categories are ranked in order of priority for survey and/or definition of the community. Ecological Communities that are adequately known, and are rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list, are placed in Priority 4. These ecological communities require regular monitoring. Conservation Dependent ecological communities are placed in Priority 5.

Priority One: Poorly-known ecological communities:

Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤ 5 occurrences or a total area of ≤ 100 ha). Occurrences are believed to be under threat either due to limited extent, or being on lands under immediate threat (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) or for which current threats exist. May include communities with occurrences on protected lands. Communities may be included if they are comparatively well-known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under immediate threat from known threatening processes across their range.

Priority Two: Poorly-known ecological communities:

Communities that are known from few occurrences with a restricted distribution (generally ≤ 10 occurrences or a total area of ≤ 200 ha). At least some occurrences are not believed to be under immediate threat (within approximately 10 years) of destruction or degradation. Communities may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under threat from known threatening processes.

Priority Three: Poorly known ecological communities:

- i. 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
- ii. Communities known from a few widespread occurrences, which are either large or with significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat (within approximately 10 years), or
- iii. Communities made up of large, and/or widespread occurrences, that may or may not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, inappropriate fire regimes, clearing, hydrological change etc.

Communities may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and/or are not well defined, and known threatening processes exist that could affect them.

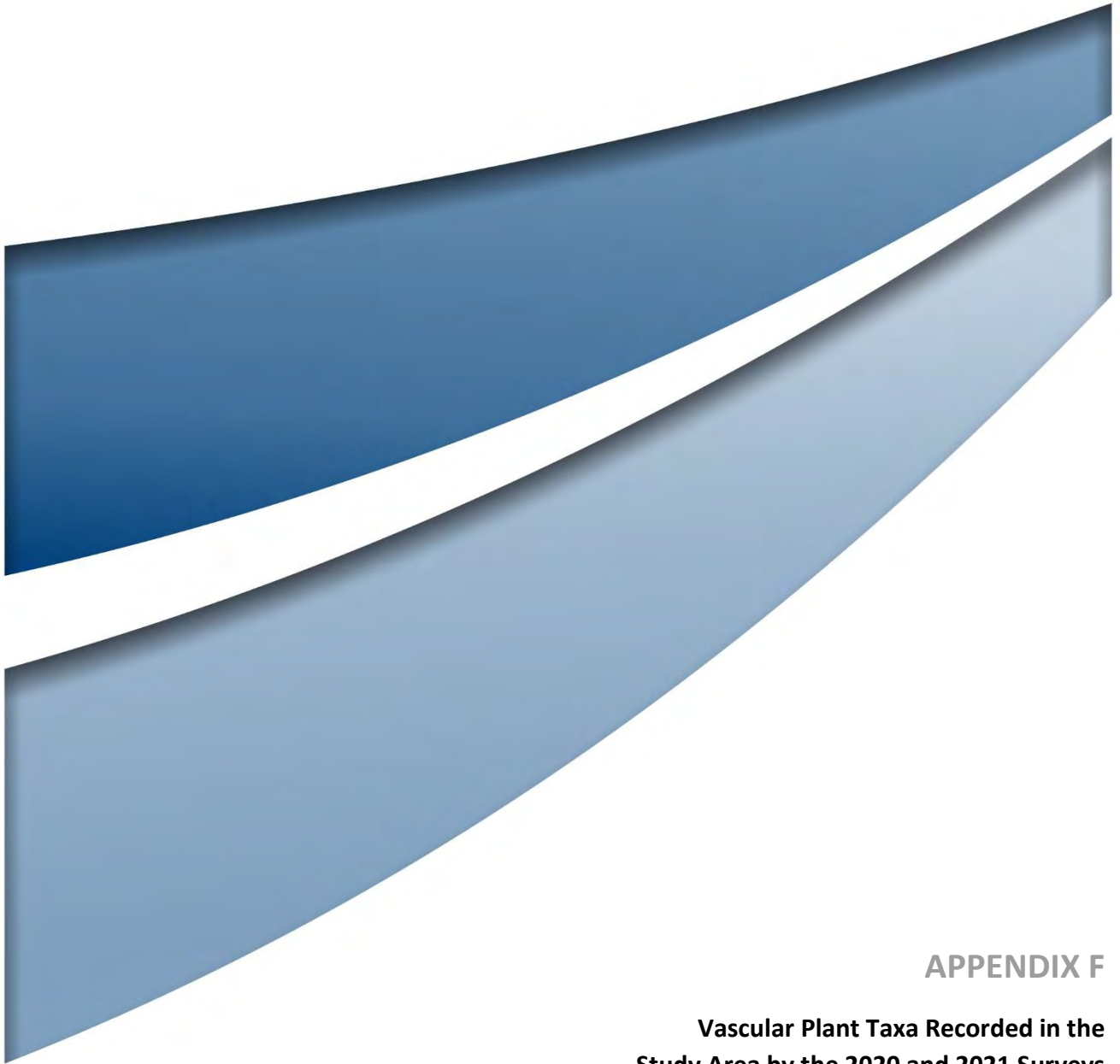
Priority Four: Ecological communities that are adequately known, rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list. These communities require regular monitoring.

- i. Rare. Ecological communities known from few occurrences 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 communities are usually represented on conservation lands.
- ii. Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for a higher threat category.
- iii. Ecological communities that have been removed from the list of threatened communities during the past five years.

Priority Five: 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.

Last updated January 2013



APPENDIX F

**Vascular Plant Taxa Recorded in the
Study Area by the 2020 and 2021 Surveys**

| Family | Taxon | 2020 | 2021 |
|-----------------------------|---|------|------|
| Acanthaceae | <i>Dicladantha forrestii</i> | | x |
| Aizoaceae | <i>Trianthema cusackianum</i> | x | x |
| | <i>Trianthema glossostigmum</i> | | x |
| | <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i> | | x |
| | <i>Trianthema pilosum</i> | x | x |
| | * <i>Trianthema portulacastrum</i> | x | x |
| | <i>Trianthema triquetrum</i> | x | x |
| | <i>Trianthema turgidifolium</i> | | x |
| | <i>Zaleya galericulata</i> subsp. <i>galericulata</i> | | x |
| Amaranthaceae | <i>Achyranthes aspera</i> | x | x |
| | * <i>Aerva javanica</i> | x | x |
| | <i>Alternanthera angustifolia</i> | x | x |
| | <i>Alternanthera denticulata</i> | | x |
| | <i>Alternanthera nana</i> | | x |
| | <i>Amaranthus cuspidifolius</i> | | x |
| | <i>Amaranthus undulatus</i> | x | x |
| | <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | x | x |
| | <i>Gomphrena cunninghamii</i> | x | x |
| | <i>Ptilotus aevroides</i> | | x |
| | <i>Ptilotus astrolasius</i> | x | x |
| | <i>Ptilotus auriculifolius</i> | x | x |
| | <i>Ptilotus axillaris</i> | x | x |
| | <i>Ptilotus calostachyus</i> | x | x |
| | <i>Ptilotus ?carinatus</i> | x | |
| | <i>Ptilotus clementii</i> | x | x |
| | <i>Ptilotus exaltatus</i> | x | x |
| | <i>Ptilotus fusiformis</i> | x | x |
| | <i>Ptilotus helipteroides</i> | x | x |
| | <i>Ptilotus incanus</i> | | x |
| <i>Ptilotus mollis</i> (P4) | | x | |
| <i>Ptilotus murrayi</i> | | x | |
| <i>Ptilotus obovatus</i> | x | x | |
| Apocynaceae | * <i>Calotropis procera</i> | x | x |
| | <i>Carissa lanceolata</i> | x | x |
| | <i>Cynanchum floribundum</i> | x | x |
| | <i>Cynanchum viminale</i> subsp. <i>australe</i> | x | x |
| | <i>Gymnema erectum</i> | | x |
| Araliaceae | <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | x | x |
| Asteraceae | * <i>Sonchus oleraceus</i> | | x |
| | <i>Blumea tenella</i> | | x |

| Family | Taxon | 2020 | 2021 |
|------------------|--|------|------|
| Asteraceae cont. | <i>Centipeda minima</i> subsp. <i>macrocephala</i> | | x |
| | <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | x | x |
| | <i>Pluchea dentex</i> | x | x |
| | <i>Pluchea dunlopia</i> | | x |
| | <i>Pluchea ferdinandi-muelleri</i> | x | x |
| | <i>Pluchea rubelliflora</i> | x | x |
| | <i>Pluchea tetranthera</i> | x | x |
| | <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | x | x |
| | <i>Pterocaulon sphacelatum</i> | x | x |
| | <i>Pterocaulon sphaeranthoides</i> | | x |
| | <i>Streptoglossa bubakii</i> | | x |
| | <i>Streptoglossa decurrens</i> | x | x |
| | <i>Streptoglossa macrocephala</i> | | x |
| Boraginaceae | <i>Ehretia saligna</i> var. <i>saligna</i> | x | x |
| | <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | x | x |
| | <i>Heliotropium chrysocarpum</i> | x | x |
| | <i>Heliotropium crispatum</i> | x | x |
| | <i>Heliotropium cunninghamii</i> | x | x |
| | * <i>Heliotropium europaeum</i> | | x |
| | <i>Heliotropium glabellum</i> | x | x |
| | <i>Heliotropium heteranthum</i> | | x |
| | <i>Heliotropium skeleton</i> | | x |
| | <i>Heliotropium tenuifolium</i> | x | x |
| | <i>Trichodesma zeylanicum</i> | x | x |
| Brassicaceae | <i>Lepidium amelum</i> (P1) | | x |
| | <i>Lepidium pholidogynum</i> | x | x |
| Campanulaceae | <i>Lobelia arnhemiaca</i> | x | x |
| | <i>Wahlenbergia tumidifructa</i> | | x |
| Capparaceae | <i>Capparis spinosa</i> subsp. <i>nummularia</i> | x | x |
| | <i>Capparis umbonata</i> | x | x |
| Caryophyllaceae | <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | x | x |
| | <i>Polycarpaea holtzei</i> | x | x |
| | <i>Polycarpaea involucrata</i> | | x |
| | <i>Polycarpaea longiflora</i> | x | x |
| Celastraceae | <i>Stackhousia muricata</i> | | x |
| | <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | x | x |
| Chenopodiaceae | <i>Atriplex codonocarpa</i> | | x |
| | <i>Dissocarpus paradoxus</i> | | x |
| | <i>Dysphania</i> ? <i>kalpari</i> | x | |
| | <i>Dysphania</i> ? <i>plantaginella</i> | | x |

| Family | Taxon | 2020 | 2021 |
|-------------------------------|--|------|------|
| Chenopodiaceae cont. | <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | | x |
| | <i>Dysphania sphaerosperma</i> | x | x |
| | <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> | | x |
| | <i>Eremophea spinosa</i> | x | x |
| | <i>Maireana melanocoma</i> | | x |
| | <i>Maireana tomentosa</i> subsp. <i>tomentosa</i> | x | |
| | <i>Maireana villosa</i> | | x |
| | <i>Rhagodia eremaea</i> | x | x |
| | <i>Salsola australis</i> | x | x |
| | <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | x | x |
| | <i>Sclerolaena cornishiana</i> | x | x |
| | <i>Sclerolaena costata</i> | x | x |
| | <i>Sclerolaena crenata</i> | x | x |
| | <i>Sclerolaena cuneata</i> | x | |
| | <i>Sclerolaena densiflora</i> | x | x |
| | <i>Sclerolaena ?gardneri</i> | | x |
| <i>Sclerolaena lanicuspis</i> | x | x | |
| Cleomaceae | <i>Areocleome oxalidea</i> | | x |
| | <i>Arivela viscosa</i> | x | x |
| Convolvulaceae | <i>Bonamia alatisemina</i> | x | x |
| | <i>Bonamia erecta</i> | x | x |
| | <i>Bonamia ?linearis</i> | x | |
| | <i>Bonamia media</i> | x | x |
| | <i>Bonamia pannosa</i> | | x |
| | <i>Bonamia pilbarensis</i> | x | x |
| | <i>Duperreya commixta</i> | x | x |
| | <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | x | x |
| | <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | x | x |
| | <i>Ipomoea coptica</i> | | x |
| | <i>Ipomoea muelleri</i> | x | x |
| | <i>Ipomoea polymorpha</i> | | x |
| | <i>Operculina aequisepala</i> | | x |
| | <i>Polymeria mollis</i> | x | x |
| Cucurbitaceae | * <i>Citrullus amarus</i> | x | x |
| | * <i>Citrullus colocynthis</i> | | x |
| | <i>Cucumis melo</i> | | x |
| | <i>Cucumis variabilis</i> | x | x |
| Cyperaceae | <i>Bulbostylis barbata</i> | x | x |
| | <i>Cyperus bifax</i> | | x |
| | <i>Cyperus cunninghamii</i> subsp. <i>cunninghamii</i> | | x |

| Family | Taxon | 2020 | 2021 |
|------------------|---|------|------|
| Cyperaceae cont. | <i>Cyperus difformis</i> | | x |
| | <i>Cyperus hesperius</i> | x | x |
| | <i>Cyperus iria</i> | | x |
| | <i>Cyperus squarrosus</i> | | x |
| | <i>Cyperus vaginatus</i> | x | x |
| | <i>Fimbristylis dichotoma</i> | x | x |
| | <i>Fimbristylis microcarya</i> | | x |
| | <i>Fimbristylis rara</i> | | x |
| | <i>Fimbristylis simulans</i> | x | x |
| | <i>Schoenoplectus subulatus</i> | x | x |
| Elatinaceae | <i>Bergia pedicellaris</i> | | x |
| | <i>Bergia trimera</i> | | x |
| Euphorbiaceae | <i>Adriana tomentosa</i> var. <i>hookeri</i> | | x |
| | <i>Adriana tomentosa</i> var. <i>tomentosa</i> | | x |
| | <i>Euphorbia australis</i> var. <i>hispidula</i> | x | x |
| | <i>Euphorbia australis</i> var. <i>subtomentosa</i> | x | x |
| | <i>Euphorbia biconvexa</i> | | x |
| | <i>Euphorbia boophthona</i> | x | x |
| | <i>Euphorbia careyi</i> | x | x |
| | <i>Euphorbia clementii</i> (P3) | x | x |
| | <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> (P2) | | x |
| | <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | x | x |
| | <i>Euphorbia trigonosperma</i> | x | x |
| | <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | x | x |
| Fabaceae | <i>Acacia acradenia</i> | x | x |
| | <i>Acacia adoxa</i> var. <i>adoxo</i> | x | x |
| | <i>Acacia adsurgens</i> | x | x |
| | <i>Acacia ampliceps</i> | x | x |
| | <i>Acacia ancistrocarpa</i> | x | x |
| | <i>Acacia ancistrocarpa</i> x <i>arida</i> | x | x |
| | <i>Acacia aptaneura</i> | | x |
| | <i>Acacia arida</i> | x | x |
| | <i>Acacia bivenosa</i> | x | x |
| | <i>Acacia bivenosa</i> x <i>sclerosperma</i> subsp. <i>sclerosperma</i> | | x |
| | <i>Acacia colei</i> var. <i>colei</i> | x | x |
| | <i>Acacia coriacea</i> subsp. <i>pendens</i> | x | x |
| | <i>Acacia eriopoda</i> | x | x |
| | <i>Acacia hilliana</i> | x | x |
| | <i>Acacia inaequilatera</i> | x | x |
| | <i>Acacia maitlandii</i> | x | x |

| Family | Taxon | 2020 | 2021 |
|--|---|------|------|
| Fabaceae cont. | <i>Acacia melleodora</i> | | x |
| | <i>Acacia monticola</i> | | x |
| | <i>Acacia monticola</i> x <i>trachycarpa</i> | | x |
| | <i>Acacia pruinocarpa</i> | x | x |
| | <i>Acacia ptychophylla</i> | x | x |
| | <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | x | x |
| | <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | | x |
| | <i>Acacia robeorum</i> | x | x |
| | <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | x | x |
| | <i>Acacia stellaticeps</i> | | x |
| | <i>Acacia synchronicia</i> | x | x |
| | <i>Acacia trachycarpa</i> | x | x |
| | <i>Acacia trachycarpa</i> x <i>tumida</i> var. <i>pilbarensis</i> | | x |
| | <i>Acacia tumida</i> var. <i>pilbarensis</i> | x | x |
| | <i>Alysicarpus muelleri</i> | x | x |
| | <i>Cajanus cinereus</i> | x | x |
| | <i>Crotalaria cunninghamii</i> | | x |
| | <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | x | x |
| | <i>Crotalaria novae-hollandiae</i> subsp. <i>novae-hollandiae</i> | | x |
| | <i>Crotalaria ramosissima</i> | x | x |
| | <i>Cullen lachnostachys</i> | x | x |
| | <i>Cullen leucanthum</i> | x | x |
| | <i>Cullen leucochaites</i> | x | |
| | <i>Cullen martinii</i> | x | |
| | <i>Cullen pogonocarpum</i> | x | x |
| | <i>Cullen stipulaceum</i> | x | x |
| | <i>Dichrostachys spicata</i> | | x |
| | <i>Gompholobium polyzygum</i> | x | x |
| | <i>Indigofera colutea</i> | x | x |
| | <i>Indigofera linifolia</i> | x | x |
| | <i>Indigofera linnaei</i> | x | x |
| | <i>Indigofera monophylla</i> | x | x |
| | <i>Indigofera rugosa</i> | | x |
| | <i>Indigofera trita</i> subsp. <i>trita</i> | x | x |
| | <i>Isotropis atropurpurea</i> | x | x |
| | <i>Mirbelia viminalis</i> | x | x |
| <i>Neptunia dimorphantha</i> | | x | |
| <i>Petalostylis labicheoides</i> | x | x | |
| <i>Rhynchosia minima</i> | x | x | |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | x | x | |

| Family | Taxon | 2020 | 2021 |
|---|---|------|------|
| Fabaceae cont. | <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | | x |
| | <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | x | x |
| | <i>Senna artemisioides</i> subsp. x <i>sturtii</i> | | x |
| | <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | x | x |
| | <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | x | x |
| | <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | x | x |
| | <i>Senna hamersleyensis</i> | | x |
| | <i>Senna notabilis</i> | x | x |
| | <i>Senna sericea</i> | x | x |
| | <i>Senna stricta</i> | | x |
| | <i>Senna symonii</i> | x | x |
| | <i>Senna venusta</i> | x | x |
| | <i>Sesbania cannabina</i> | x | x |
| | <i>Swainsona decurrens</i> | x | x |
| | <i>Swainsona formosa</i> | | x |
| | <i>Swainsona</i> ? <i>maccullochiana</i> | x | |
| | <i>Tephrosia densa</i> | x | x |
| | <i>Tephrosia rosea</i> var. <i>clementii</i> | x | x |
| | <i>Tephrosia rosea</i> var. <i>rosea</i> | x | x |
| | <i>Tephrosia supina</i> | x | x |
| | <i>Tephrosia virens</i> | | x |
| | <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | x | x |
| | <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | x | x |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | x | x | |
| * <i>Vachellia farnesiana</i> | x | x | |
| <i>Vigna lanceolata</i> var. <i>lanceolata</i> | x | x | |
| Goodeniaceae | <i>Dampiera candicans</i> | x | x |
| | <i>Goodenia armitiana</i> | | x |
| | <i>Goodenia azurea</i> subsp. <i>hesperia</i> | | x |
| | <i>Goodenia connata</i> | x | x |
| | <i>Goodenia cusackiana</i> | | x |
| | <i>Goodenia microptera</i> | x | x |
| | <i>Goodenia muelleriana</i> | x | x |
| | <i>Goodenia pedicellata</i> (P1) | | x |
| | <i>Goodenia stobbsiana</i> | x | x |
| | <i>Goodenia triodiophila</i> | x | x |
| | <i>Scaevola amblyanthera</i> var. <i>centralis</i> | x | x |
| | <i>Scaevola browniana</i> subsp. <i>browniana</i> | x | x |
| | <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> | | x |
| | <i>Scaevola spinescens</i> | | x |

| Family | Taxon | 2020 | 2021 |
|------------------------------|---|------|------|
| Gyrostemonaceae | <i>Codonocarpus cotinifolius</i> | x | |
| Haloragaceae | <i>Haloragis gossei</i> var. <i>gossei</i> | x | x |
| Hydrocharitaceae | <i>Najas marina</i> | x | x |
| | <i>Najas tenuifolia</i> | | x |
| Lamiaceae | <i>Clerodendrum floribundum</i> | x | x |
| | <i>Clerodendrum tomentosum</i> | x | x |
| | <i>Dicrastylis cordifolia</i> | x | x |
| Lauraceae | <i>Cassytha capillaris</i> | x | x |
| Loranthaceae | <i>Amyema preissii</i> | | x |
| | <i>Amyema sanguinea</i> var. <i>sanguinea</i> | x | x |
| Lythraceae | <i>Ammannia baccifera</i> | x | x |
| | <i>Ammannia multiflora</i> | | x |
| Malvaceae | * <i>Malvastrum americanum</i> | x | x |
| | <i>Abutilon amplum</i> | | x |
| | <i>Abutilon cunninghamii</i> | | x |
| | <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | x | x |
| | <i>Abutilon</i> aff. <i>hannii</i> (potentially undescribed) | | x |
| | <i>Abutilon lepidum</i> | x | x |
| | <i>Abutilon macrum</i> | x | |
| | <i>Abutilon otocarpum</i> | x | x |
| | <i>Abutilon oxycarpum</i> subsp. Prostrate (A.A. Mitchell PRP 1266) | | x |
| | <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) | x | x |
| | <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | x | x |
| | ? <i>Androcalva loxophylla</i> | x | |
| | <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | x | x |
| | <i>Corchorus laniflorus</i> | | x |
| | <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | x | x |
| | <i>Corchorus parviflorus</i> | | x |
| | <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | x | x |
| | <i>Corchorus tridens</i> | | x |
| | <i>Gossypium australe</i> | x | x |
| | <i>Gossypium robinsonii</i> | x | x |
| | <i>Hibiscus brachychlaenus</i> | x | x |
| | <i>Hibiscus burtonii</i> | | x |
| | <i>Hibiscus coatesii</i> | x | x |
| | <i>Hibiscus leptocladus</i> | x | x |
| | <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | x | x |
| | <i>Hibiscus sturtii</i> var. <i>platyochlamys</i> | | x |
| | <i>Lawrenzia densiflora</i> | x | x |
| <i>Melhania oblongifolia</i> | x | x | |

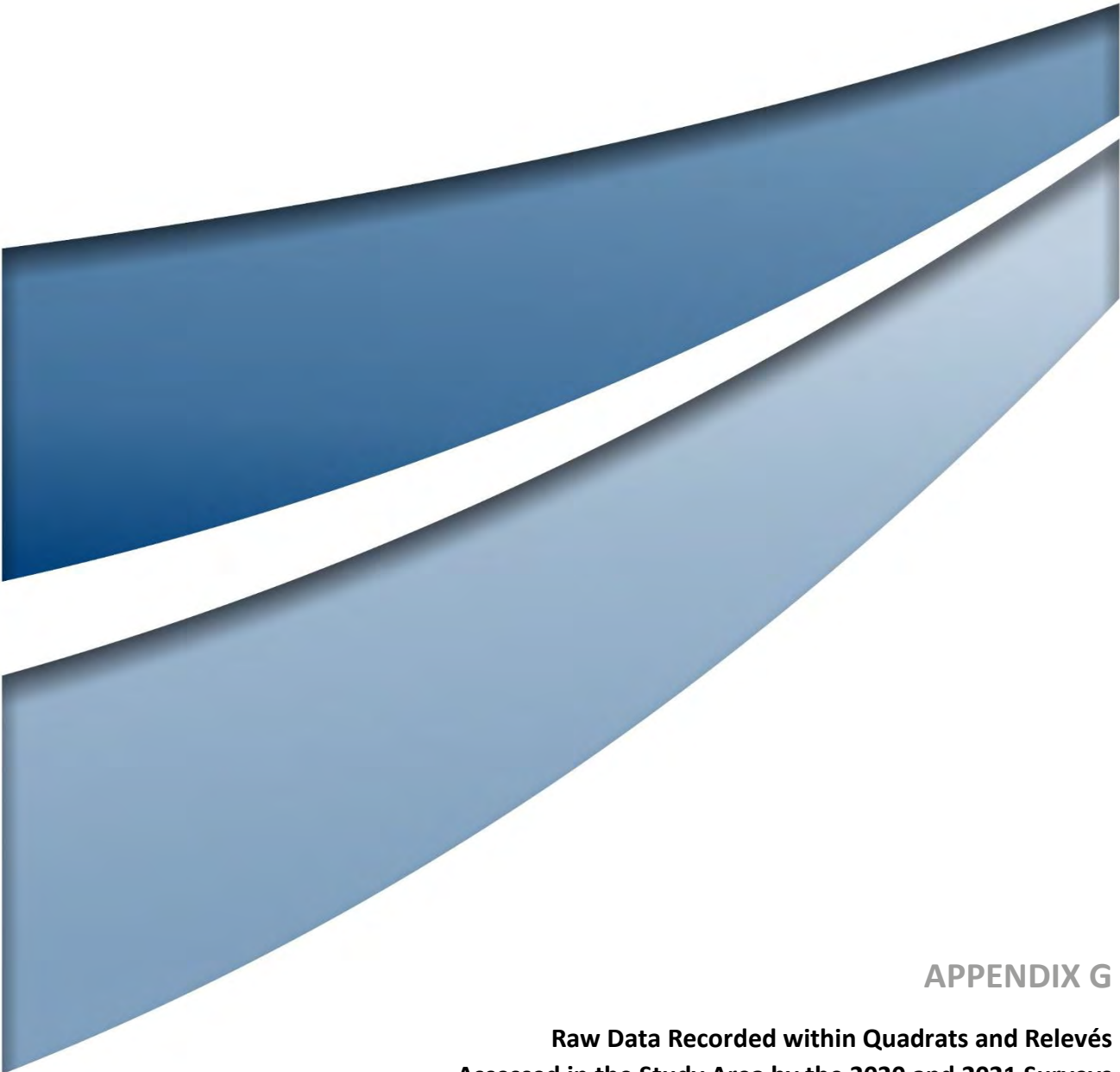
| Family | Taxon | 2020 | 2021 |
|--------------------------|--|------|------|
| Malvaceae cont. | <i>Seringia exastia</i> | x | x |
| | <i>Seringia nephrosperma</i> | x | x |
| | <i>Sida arenicola</i> | | x |
| | <i>Sida cardiophylla</i> | x | |
| | <i>Sida clementii</i> | | x |
| | <i>Sida echinocarpa</i> | x | x |
| | <i>Sida fibulifera</i> | x | x |
| | <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | x | x |
| | <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | x | x |
| | <i>Sida</i> sp. Excedentifolia (J.L. Egan 1925) | x | x |
| | <i>Sida</i> sp. L (A.M. Ashby 4202) | | x |
| | <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | x | x |
| | <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) | x | x |
| | <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | | x |
| | <i>Triumfetta chaetocarpa</i> | x | x |
| | <i>Triumfetta clementii</i> | | x |
| | <i>Triumfetta johnstonii</i> | x | x |
| | <i>Triumfetta maconochieana</i> | x | x |
| | <i>Triumfetta propinqua</i> | x | x |
| | <i>Waltheria indica</i> | x | x |
| <i>Waltheria virgata</i> | x | x | |
| Marsileaceae | <i>Marsilea ?exarata</i> | | x |
| | <i>Marsilea hirsuta</i> | x | x |
| Menispermaceae | <i>Tinospora smilacina</i> | x | x |
| Molluginaceae | <i>Hypertelis cerviana</i> | | x |
| | <i>Trigastrotheca molluginea</i> | x | x |
| Montiaceae | <i>Calandrinia ptychosperma</i> | | x |
| Moraceae | <i>Ficus brachypoda</i> | x | x |
| Myrtaceae | <i>Calytrix carinata</i> | x | x |
| | <i>Corymbia candida</i> subsp. <i>dipsodes</i> | x | x |
| | <i>Corymbia hamersleyana</i> | x | x |
| | <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | x | x |
| | <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | x | x |
| | <i>Eucalyptus odontocarpa</i> | x | x |
| | <i>Eucalyptus victrix</i> | x | x |
| | <i>Melaleuca eleuterostachya</i> | | x |
| | <i>Melaleuca glomerata</i> | x | x |
| Nyctaginaceae | <i>Boerhavia burbridgeana</i> | x | x |
| | <i>Boerhavia coccinea</i> | x | x |
| Orobanchaceae | <i>Buchnera linearis</i> | | x |

| Family | Taxon | 2020 | 2021 |
|---------------------|---|------|------|
| Orobanchaceae cont. | <i>Striga squamigera</i> | | x |
| Papaveraceae | * <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | | x |
| Pedaliaceae | <i>Josephinia eugeniae</i> | | x |
| Phrymaceae | <i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768) | | x |
| Phyllanthaceae | <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | x | x |
| | <i>Notoleptopus decaisnei</i> | x | x |
| | <i>Phyllanthus erwinii</i> | | x |
| | <i>Phyllanthus maderaspatensis</i> | x | x |
| Plantaginaceae | <i>Stemodia grossa</i> | x | x |
| | <i>Stemodia viscosa</i> | | x |
| Poaceae | <i>Amphipogon sericeus</i> | x | x |
| | <i>Aristida contorta</i> | x | x |
| | <i>Aristida holathera</i> var. <i>holathera</i> | x | x |
| | <i>Aristida inaequiglumis</i> | x | x |
| | <i>Aristida pruinosa</i> | | x |
| | <i>Bothriochloa ewartiana</i> | | x |
| | * <i>Cenchrus ciliaris</i> | x | x |
| | * <i>Cenchrus setiger</i> | x | x |
| | <i>Chloris pumilio</i> | | x |
| | <i>Chrysopogon fallax</i> | x | x |
| | <i>Cymbopogon ambiguus</i> | x | x |
| | <i>Cynodon convergens</i> | x | x |
| | * <i>Cynodon dactylon</i> | x | x |
| | <i>Cynodon prostratus</i> | x | x |
| | <i>Dactyloctenium radulans</i> | x | x |
| | <i>Dichanthium fecundum</i> | | x |
| | <i>Dichanthium sericeum</i> subsp. <i>humilius</i> | | x |
| | <i>Dichanthium sericeum</i> subsp. <i>sericeum</i> | | x |
| | <i>Digitaria brownii</i> | | x |
| | <i>Digitaria ctenantha</i> | x | |
| | <i>Diplachne fusca</i> subsp. <i>fusca</i> | x | x |
| | <i>Enneapogon caerulescens</i> | x | x |
| | <i>Enneapogon cylindricus</i> | | x |
| | <i>Enneapogon lindleyanus</i> | x | x |
| | <i>Enneapogon polyphyllus</i> | x | x |
| | <i>Enteropogon ramosus</i> | | x |
| | <i>Eragrostis cumingii</i> | x | x |
| | <i>Eragrostis desertorum</i> | x | x |
| | <i>Eragrostis dielsii</i> | x | x |
| | <i>Eragrostis eriopoda</i> | x | x |

| Family | Taxon | 2020 | 2021 |
|---------------|--|-----------------------------|------|
| Poaceae cont. | <i>Eragrostis falcata</i> | x | |
| | <i>Eragrostis olida</i> | x | x |
| | <i>Eragrostis tenellula</i> | x | x |
| | <i>Eragrostis xerophila</i> | x | x |
| | <i>Eriachne aristidea</i> | x | x |
| | <i>Eriachne benthamii</i> | x | x |
| | <i>Eriachne lanata</i> | x | x |
| | <i>Eriachne mucronata</i> | x | x |
| | <i>Eriachne obtusa</i> | x | x |
| | <i>Eriachne pulchella</i> subsp. <i>dominii</i> | x | x |
| | <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | | x |
| | <i>Eriachne tenuiculmis</i> | x | x |
| | <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | x | x |
| | <i>Eulalia aurea</i> | x | x |
| | <i>Iseilema dolichotrichum</i> | | x |
| | <i>Panicum decompositum</i> | | x |
| | <i>Paraneurachne muelleri</i> | x | x |
| | <i>Paspalidium clementii</i> | x | x |
| | <i>Paspalidium rarum</i> | x | x |
| | <i>Paspalidium tabulatum</i> | x | x |
| | <i>Perotis rara</i> | x | x |
| | <i>Schizachyrium fragile</i> | x | x |
| | * <i>Setaria verticillata</i> | x | x |
| | <i>Sporobolus actinocladus</i> | x | x |
| | <i>Sporobolus australasicus</i> | x | x |
| | <i>Themeda triandra</i> | x | x |
| | <i>Tragus australianus</i> | | x |
| | <i>Triodia angusta</i> | x | x |
| | <i>Triodia basedowii</i> | x | |
| | <i>Triodia brizoides</i> | x | x |
| | <i>Triodia epactia</i> | x | x |
| | <i>Triodia longiceps</i> | x | x |
| | <i>Triodia scintillans</i> | x | x |
| | <i>Triodia wiseana</i> | x | x |
| | <i>Tripogonella loliiiformis</i> | | x |
| | <i>Triraphis mollis</i> | | x |
| | <i>Urochloa holosericea</i> subsp. <i>velutina</i> | | x |
| | <i>Xerochloa barbata</i> | | x |
| | <i>Yakirra australiensis</i> var. <i>australiensis</i> | x | x |
| | Polygalaceae | <i>Polygala glaucifolia</i> | x |

| Family | Taxon | 2020 | 2021 |
|------------------|---|------|------|
| Polygonaceae | <i>*Rumex vesicarius</i> | | x |
| Portulacaceae | <i>Portulaca cyclophylla</i> | x | x |
| | <i>Portulaca decipiens</i> | x | x |
| | <i>Portulaca filifolia</i> | | x |
| | <i>Portulaca oleracea</i> | x | x |
| Potamogetonaceae | <i>Potamogeton tepperi</i> | x | |
| Proteaceae | <i>Grevillea berryana</i> | x | x |
| | <i>Grevillea eriostachya</i> | | x |
| | <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | x | x |
| | <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | x | x |
| | <i>Hakea divaricata</i> | x | |
| | <i>Hakea lorea</i> subsp. <i>lorea</i> | x | x |
| Pteridaceae | <i>Cheilanthes brownii</i> | | x |
| Rubiaceae | <i>Dolichocarpa crouchiana</i> | x | x |
| | <i>Kohautia australiensis</i> (P2) | | x |
| | <i>Paranotis pterospora</i> | | x |
| | <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | x | x |
| Santalaceae | <i>Anthobolus leptomerioides</i> | x | x |
| | <i>Santalum lanceolatum</i> | x | x |
| Sapindaceae | <i>Atalaya hemiglauca</i> | x | x |
| | <i>Diplopeltis stuartii</i> var. <i>stuartii</i> | | x |
| | <i>Dodonaea coriacea</i> | x | x |
| Scrophulariaceae | <i>Eremophila exilifolia</i> | x | x |
| | <i>Eremophila forrestii</i> subsp. <i>forrestii</i> | x | x |
| | <i>Eremophila galeata</i> | | x |
| | <i>Eremophila latrobei</i> subsp. <i>filiformis</i> | | x |
| | <i>Eremophila latrobei</i> subsp. <i>glabra</i> | x | |
| | <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | x | x |
| | <i>Eremophila longifolia</i> | x | x |
| | <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2) | | x |
| Solanaceae | <i>*Datura leichhardtii</i> subsp. <i>leichhardtii</i> | x | x |
| | <i>Nicotiana benthamiana</i> | x | x |
| | <i>Nicotiana occidentalis</i> | | x |
| | <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i> | | x |
| | <i>Solanum cleistogamum</i> | x | |
| | <i>Solanum diversiflorum</i> | x | x |
| | <i>Solanum gabrielae</i> | x | x |
| | <i>Solanum horridum</i> | x | x |
| | <i>Solanum lasiophyllum</i> | x | x |
| | <i>*Solanum nigrum</i> | x | |

| Family | Taxon | 2020 | 2021 |
|------------------|--|------|------|
| Solanaceae cont. | <i>Solanum phlomoides</i> | x | x |
| Stylidiaceae | <i>Stylidium weeliwolli</i> (P3) | | x |
| Surianaceae | <i>Stylobasium spathulatum</i> | x | x |
| Typhaceae | <i>Typha domingensis</i> | x | x |
| Violaceae | <i>Afrohybanthus aurantiacus</i> | x | x |
| Zygophyllaceae | * <i>Tribulus terrestris</i> | x | x |
| | <i>Roepera iodocarpa</i> | | x |
| | <i>Tribulopsis angustifolia</i> | x | x |
| | <i>Tribulus hirsutus</i> | x | x |
| | <i>Tribulus macrocarpus</i> | x | x |
| | <i>Tribulus minutus</i> (P1) | x | x |
| | <i>Tribulus occidentalis</i> | x | x |
| | <i>Tribulus platypterus</i> | | x |
| | <i>Tribulus suberosus</i> | x | x |
| | <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | x | x |



APPENDIX G

**Raw Data Recorded within Quadrats and Relevés
Assessed in the Study Area by the 2020 and 2021 Surveys**

**GOVERNMENT AGENCY REFERENCE ONLY
NOT FOR PUBLIC DISSEMINATION
CONTAINS LOCATIONS OF SIGNIFICANT FLORA TAXA**

Site Name: WC001
 Site Type: QUADRAT
 Survey Date: 19/03/2021
 GPS Location: GDA94 Zone 51 317681.9E 7599177.12N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm
 CF Types: Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10yrs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.4 | | 5 |
| <i>Acacia robeorum</i> | 1.2 | | 3 |
| <i>Arivela viscosa</i> | 0.08 | | 0.01 |
| <i>Bulbostylis barbata</i> | 0.08 | | 0.05 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 2 |
| <i>Chrysopogon fallax</i> | 0.8 | | 1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.01 |
| <i>Cynodon prostratus</i> | 0.01 | | 0.02 |
| <i>Dactyloctenium radulans</i> | 0.25 | | 0.01 |
| <i>Enneapogon caeruleus</i> | 0.15 | | 0.02 |
| <i>Eragrostis desertorum</i> | 0.5 | | 1 |
| <i>Eriachne aristidea</i> | 0.2 | | 0.01 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.12 | | 0.02 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.02 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | | 0.02 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.02 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.02 |
| <i>Heliotropium chrysocarpum</i> | 0.15 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.5 | | 0.01 |
| <i>Paraneurachne muelleri</i> | 0.15 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.01 |
| <i>Polycarpha corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.02 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Pterocaulon sphacelatum</i> | 0.05 | | 0.05 |

| | | |
|--|------|------|
| <i>Sclerolaena densiflora</i> | 0.2 | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | 0.01 |
| <i>Senna notabilis</i> | 0.05 | 0.01 |
| <i>Senna symonii</i> | 1.4 | 0.1 |
| <i>Solanum horridum</i> | 0.15 | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.5 |
| <i>Tragus australianus</i> | 0.25 | 0.01 |
| <i>Tribulus hirsutus</i> | 0.08 | 0.01 |
| <i>Triodia epactia</i> | 0.6 | 5 |
| <i>Triodia longiceps</i> | 1.1 | 20 |
| <i>Triodia scintillans</i> | 0.6 | 15 |
| <i>Triodia wiseana</i> | 0.6 | 12 |

PHOTO



Site Name: WC002
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 317921.94E 7596368.85N
 Community: HG10
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite, Chert (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: dolomite/chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.5 | | 0.02 |
| <i>Acacia arida</i> | 1.4 | | 3 |
| <i>Acacia inaequilatera</i> | 2 | | 2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.7 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.05 |
| <i>Bulbostylis barbata</i> | 0.15 | | 2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | | | |
| <i>Euphorbia careyi</i> | 0.3 | | 1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.01 |
| <i>Gossypium australe</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Indigofera monophylla</i> | 0.5 | | 20 |
| <i>Paspalidium clementii</i> | 0.15 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.02 | | 0.01 |
| <i>Ptilotus auriculifolius</i> | 0.3 | | 0.02 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.05 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.01 |
| <i>Ptilotus fusiformis</i> | 0.25 | | 0.01 |

| | | | |
|--|------|--|------|
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.1 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.6 | | 0.01 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | | 0.01 |
| <i>Solanum horridum</i> | | | |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.12 | | 0.01 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.01 |
| <i>Triodia brizoides</i> | | | 5 |
| <i>Triodia epactia</i> | 0.7 | | 0.01 |
| <i>Triumfetta maconochieana</i> | 0.4 | | 0.01 |

PHOTO



Site Name: WC003
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 317737.06E 7596495.42N
 Community: W2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Black
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Grazing, Exotic Weeds, (other) - vehicles
 Fire: >10
 Comments: Creek bed with non-native grasses, extensive grazing and vehicle tracks

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.6 | | 0.1 |
| <i>Acacia trachycarpa</i> | 5 | | 1 |
| * <i>Aerva javanica</i> | 0.6 | | 0.01 |
| <i>Amyema sanguinea</i> var. <i>sanguinea</i> | | | |
| <i>Atalaya hemiglauca</i> | 5 | | 2 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.7 | | 2.5 |
| <i>Eriachne obtusa</i> | 0.5 | | 0.02 |
| <i>Eucalyptus victrix</i> | 16 | | 11 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.01 |
| <i>Gossypium robinsonii</i> | 0.9 | | 0.01 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.01 |
| <i>Melaleuca glomerata</i> | 4 | | 2 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.01 |
| <i>Rhynchosia minima</i> | 0.02 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.8 | | 0.02 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | | | |

PHOTO



Site Name: WC004
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 317672.75E 7596418.16N
 Community: HG4
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2 | | 0.2 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 2.8 | | 2 |
| <i>Acacia synchronicia</i> | 2.5 | | 0.5 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 4 | | 3 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 40 |
| <i>Corchorus tridens</i> | 0.05 | | 0.01 |
| <i>Corymbia hamersleyana</i> | 5 | | 2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.01 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.01 |
| <i>Euphorbia trigonosperma</i> | 0.1 | | 0.01 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | | 1 |
| <i>Notoleptopus decaisnei</i> | 0.25 | | 0.01 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.02 |
| <i>Polymeria mollis</i> | 0.8 | | 0.01 |
| <i>Ptilotus obovatus</i> | 0.8 | | 0.01 |
| <i>Rhynchosia minima</i> | 0.02 | | 0.01 |
| <i>Senna notabilis</i> | 0.1 | | 0.01 |

| | | | |
|---------------------------------|-----|--|------|
| <i>Sporobolus actinocladus</i> | 0.4 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.05 |
| <i>Triodia longiceps</i> | 1.8 | | 7 |
| <i>Triodia wiseana</i> | 0.8 | | 5 |

PHOTO



Site Name: WC005
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 317407.32E 7596222.02N
 Community: HG12
 Landform Type: Ridge, U - upper slope (other)
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.6 | | 1.5 |
| <i>Acacia bivenosa</i> | 1.9 | | 2 |
| <i>Acacia inaequilatera</i> | 1.5 | | 1 |
| <i>Acacia robeorum</i> | 1.5 | | 0.05 |
| * <i>Aerva javanica</i> | 0.01 | | 0.02 |
| <i>Arivela viscosa</i> | 0.01 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | | 0.01 |
| <i>Eremophila longifolia</i> | 1.6 | | 0.01 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.8 |
| <i>Gomphrena cunninghamii</i> | 0.01 | | 0.01 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.01 |
| <i>Gossypium australe</i> | 0.01 | | 0.01 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.02 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.01 |
| <i>Petalostylis labicheoides</i> | 1.7 | | 5 |
| <i>Ptilotus exaltatus</i> | 0.01 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.15 | | 0.01 |

| | | | |
|---|------|--|------|
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.01 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.01 |
| <i>Tribulus suberosus</i> | 0.3 | | 0.01 |
| <i>Triodia wiseana</i> | 0.01 | | 30 |
| <i>Waltheria virgata</i> | 0.4 | | 0.5 |

PHOTO



Site Name: WC006
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 316299.6E 7599497.96N
 Community: HG6
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.25 | | 0.01 |
| <i>Acacia inaequilatera</i> | 2 | | 2 |
| <i>Alysicarpus muelleri</i> | 0.06 | | 0.01 |
| <i>Arivela viscosa</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 30 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Corchorus tridens</i> | 0.05 | | 0.03 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.15 | | 0.02 |
| <i>Cucumis variabilis</i> | | | 0.03 |
| <i>Eragrostis xerophila</i> | 0.4 | | 0.01 |
| <i>Eriachne obtusa</i> | 0.3 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Euphorbia trigonosperma</i> | 0.18 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | | | |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.2 | | 0.01 |
| <i>Gomphrena cunninghamii</i> | 0.15 | | 0.01 |
| <i>Gossypium australe</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 5 | | 1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.25 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>platychlamys</i> | | | |

| | | |
|--|------|------|
| <i>Indigofera linnaei</i> | 0.12 | 0.01 |
| <i>Indigofera monophylla</i> | 0.3 | 0.01 |
| <i>Ipomoea muelleri</i> | | |
| <i>Ipomoea polymorpha</i> | 0.1 | 0.02 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.02 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | 0.01 |
| <i>Pluchea tetranthera</i> | 0.4 | 2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.15 | 0.02 |
| <i>Portulaca oleracea</i> | 0.02 | 0.01 |
| <i>Pterocaulon sphacelatum</i> | 0.01 | 0.01 |
| <i>Rhynchosia minima</i> | 0.05 | 0.02 |
| <i>Sclerolaena costata</i> | 0.2 | 0.01 |
| <i>Senna notabilis</i> | 0.05 | 0.01 |
| <i>Sida fibulifera</i> | | |
| <i>Sporobolus australasicus</i> | 0.15 | 0.02 |
| <i>Stemodia grossa</i> | 0.4 | 0.01 |
| <i>Trianthema triquetrum</i> | 0.07 | 0.02 |
| <i>Trichodesma zeylanicum</i> | 0.15 | 0.01 |
| <i>Triodia epactia</i> | 0.9 | 1 |
| <i>Triodia longiceps</i> | 1.1 | 17 |
| <i>Triodia wiseana</i> | 0.7 | 5 |

PHOTO



Site Name: WC007
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 316677.19E 7599591.32N
 Community: TG1
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia trachycarpa</i> | 3 | | 20 |
| * <i>Aerva javanica</i> | 0.6 | | 10 |
| <i>Atalaya hemiglauca</i> | 2 | | 3 |
| <i>Boerhavia coccinea</i> | 0.15 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 45 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | | 0.5 |
| <i>Senna notabilis</i> | 0.02 | | 0.01 |
| <i>Trianthema pilosum</i> | 0.08 | | 60 |

PHOTO



Site Name: WC008
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 317250.59E 7590258.89N
 Community: HG7
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.9 | | 0.05 |
| * <i>Aerva javanica</i> | 0.4 | | 0.03 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.01 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.45 | | 0.02 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 4 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.05 |
| <i>Eragrostis desertorum</i> | 0.4 | | 2 |
| <i>Eriachne aristidea</i> | 0.25 | | 0.5 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.02 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.01 |
| <i>Goodenia microptera</i> | 0.2 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.25 | | 0.01 |
| <i>Gossypium australe</i> | 0.5 | | 0.01 |
| <i>Heliotropium chrysocarpum</i> | 0.25 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.01 |
| <i>Indigofera linnaei</i> | 0.05 | | 0.01 |
| <i>Indigofera monophylla</i> | 1.1 | | 3 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.02 |
| <i>Paraneurachne muelleri</i> | 0.35 | | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | | 1 |

| | | | |
|---------------------------------|------|--|------|
| <i>Portulaca oleracea</i> | 0.2 | | 0.01 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.01 |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.01 |
| <i>Senna notabilis</i> | 0.1 | | 0.01 |
| <i>Senna symonii</i> | 0.5 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.25 | | 0.1 |
| <i>Tephrosia supina</i> | 0.05 | | 0.01 |
| <i>Triodia epactia</i> | 1.1 | | 25 |
| <i>Triodia wiseana</i> | 0.8 | | 5 |

PHOTO



Site Name: WC009
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 317622.42E 7590520.93N
 Community: TG1
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia synchronicia</i> | 0.8 | | 0.5 |
| * <i>Aerva javanica</i> | 0.6 | | 2 |
| <i>Atalaya hemiglauca</i> | 2 | | 1 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.03 |
| <i>Boerhavia ?coccinea</i> | 0.1 | | 0.06 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 75 |
| <i>Chrysopogon fallax</i> | 0.8 | | 0.05 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 0.01 |
| <i>Corchorus tridens</i> | 0.15 | | 0.01 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.01 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.01 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 0.4 |
| <i>Indigofera linnaei</i> | 0.05 | | 0.01 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.01 |
| <i>Ipomoea muelleri</i> | 0.1 | | 0.01 |
| <i>Portulaca filifolia</i> | 0.15 | | 0.01 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | | 1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.7 | | 0.01 |

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Site Name: WC010
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 317267.18E 7588161.18N
 Community: S2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: **Cenchrus ciliaris* dominant

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2.5 | | 10 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.2 | | 2 |
| <i>Acacia synchronicia</i> | 0.7 | | 2 |
| <i>Acacia trachycarpa</i> | 4 | | 8 |
| <i>Atalaya hemiglauca</i> | 1.2 | | 0.01 |
| <i>Boerhavia ?coccinea</i> | 0.15 | | 1 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 85 |
| <i>Chrysopogon fallax</i> | 1.1 | | 0.5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.4 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.03 |
| <i>Eragrostis xerophila</i> | 0.15 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.15 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.01 |
| <i>Gossypium australe</i> | 1.8 | | 4 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Indigofera linifolia</i> | 0.1 | | 0.01 |
| <i>Indigofera linnaei</i> | 0.15 | | 0.01 |
| <i>Ipomoea muelleri</i> | 0.03 | | 0.01 |
| * <i>Malvastrum americanum</i> | 0.25 | | 0.01 |

| | | | |
|--|------|--|------|
| <i>Melhania oblongifolia</i> | 0.2 | | 0.01 |
| <i>Pluchea tetranthera</i> | 0.8 | | 3 |
| <i>Polymeria mollis</i> | 0.2 | | 0.05 |
| <i>Rhynchosia minima</i> | 0.15 | | 0.2 |
| <i>Sida fibulifera</i> | 0.1 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.25 | | 1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.7 | | 2 |
| <i>Themeda triandra</i> | 0.9 | | 1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.01 |
| <i>Triodia wiseana</i> | 0.3 | | 0.02 |

PHOTO



Site Name: WC011
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 317493.04E 7588377.16N
 Community: HG5
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.6 | | 1 |
| <i>Acacia synchronicia</i> | 2.2 | | 1.5 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.01 |
| <i>Aristida contorta</i> | 0.3 | | 0.02 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.5 | | 0.01 |
| <i>Bulbostylis barbata</i> | 0.05 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 4 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Cymbopogon ambiguus</i> | 1.1 | | 0.01 |
| <i>Cynodon prostratus</i> | 0.02 | | 0.5 |
| <i>Dactyloctenium radulans</i> | 0.15 | | 0.01 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2) | 1.1 | 100 | 5 |
| <i>Eriachne aristidea</i> | 0.25 | | 0.01 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.15 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.01 |
| <i>Gomphrena cunninghamii</i> | 0.15 | | 0.1 |
| <i>Gossypium australe</i> | | | |

| | | | |
|--|------|--|------|
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.5 |
| <i>Paspalidium clementii</i> | 0.3 | | 0.01 |
| <i>Petalostylis labicheoides</i> | 2.1 | | 2 |
| <i>Pterocaulon sphaeranthoides</i> | | | |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.9 | | 0.01 |
| <i>Senna notabilis</i> | 0.15 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.7 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.25 | | 0.5 |
| <i>Triodia epactia</i> | 0.8 | | 7 |
| <i>Triodia wiseana</i> | 0.6 | | 1 |

PHOTO



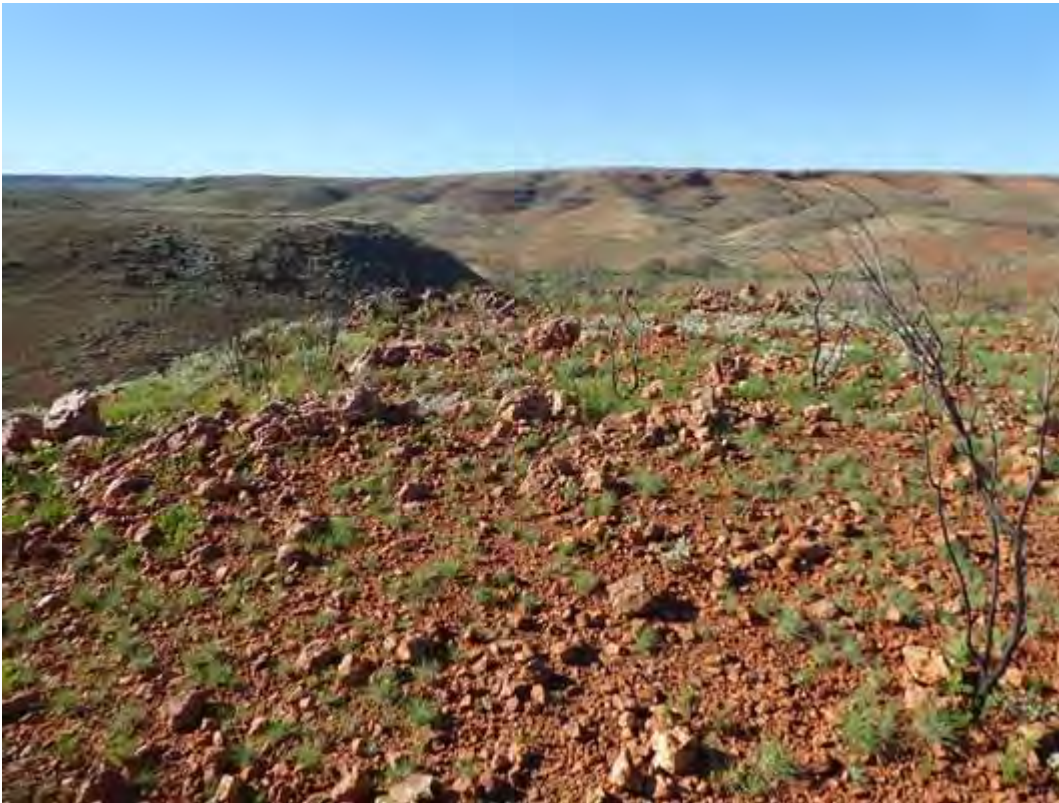
Site Name: WC012
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 314792.2E 7599765.43N
 Community: HG11
 Landform Type: Ridge
 Slope Class: Steep (23 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <3
 Comments: No plants over 3 years old

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.3 | | 4 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2.5 | | 0.01 |
| <i>Acacia maitlandii</i> | 1.7 | | 0.3 |
| * <i>Aerva javanica</i> | | | |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.5 | | 0.02 |
| <i>Arivela viscosa</i> | 0.15 | | 0.01 |
| <i>Atalaya hemiglauca</i> | | | |
| <i>Bonamia pilbarensis</i> | 0.05 | | 0.3 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.01 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.4 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 6 | | 0.5 |
| <i>Corymbia hamersleyana</i> | 1.3 | | 0.05 |
| <i>Cucumis variabilis</i> | | | 0.02 |
| <i>Cymbopogon ambiguus</i> | 1 | | 0.02 |
| <i>Cynanchum floribundum</i> | | | 0.01 |
| <i>Cyperus hesperius</i> | 1.4 | | 0.01 |
| <i>Dampiera candidans</i> | 0.5 | | 0.3 |

| | | |
|--|------|------|
| <i>Dodonaea coriacea</i> | 0.1 | 0.01 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.5 | 0.01 |
| <i>Eriachne mucronata</i> | 0.4 | 0.01 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.15 | 0.01 |
| <i>Euphorbia careyi</i> | 0.3 | 0.02 |
| <i>Fimbristylis simulans</i> | 0.15 | 0.5 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.5 |
| <i>Hibiscus coatesii</i> | 0.4 | 2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.4 |
| <i>Indigofera monophylla</i> | | |
| <i>Paspalidium clementii</i> | 0.1 | 0.01 |
| <i>Ptilotus axillaris</i> | 0.2 | 0.05 |
| <i>Ptilotus clementii</i> | 0.5 | 0.5 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.3 |
| <i>Ptilotus fusiformis</i> | 0.2 | 0.01 |
| <i>Ptilotus obovatus</i> | 0.2 | 0.05 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | 0.03 |
| <i>Senna notabilis</i> | 0.15 | 0.2 |
| <i>Seringia nephrosperma</i> | 0.5 | 1 |
| <i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925) | 0.15 | 0.2 |
| <i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543) | 0.15 | 0.1 |
| <i>Solanum gabrielae</i> | 0.2 | 0.01 |
| <i>Solanum horridum</i> | 0.2 | 0.02 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.1 | 0.01 |
| <i>Tribulus suberosus</i> | 0.5 | 0.05 |
| <i>Trichodesma zeylanicum</i> | 0.5 | 0.05 |
| <i>Trigastrotheca molluginea</i> | 0.25 | 0.01 |
| <i>Triodia scintillans</i> | 0.1 | 3 |
| <i>Triodia wiseana</i> | 0.1 | 2 |
| <i>Triumfetta maconochieana</i> | 0.5 | 0.5 |
| <i>Waltheria virgata</i> | 0.3 | 0.3 |

PHOTO



Site Name: WC013
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 315373.57E 7600029.26N
 Community: W1
 Landform Type: Other, FL-flowline (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sand
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.8 | | 0.01 |
| <i>Acacia ancistrocarpa</i> | 1.8 | | 1.5 |
| <i>Acacia arida</i> | | | |
| <i>Acacia synchronicia</i> | 3.5 | | 6 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2 | | 2 |
| * <i>Aerva javanica</i> | 0.7 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.1 | | 0.01 |
| <i>Atalaya hemiglauca</i> | 7 | | 3 |
| <i>Boerhavia ?coccinea</i> | 0.1 | | 0.02 |
| <i>Bonamia erecta</i> | 0.3 | | 2 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 35 |
| <i>Chrysopogon fallax</i> | | | |
| * <i>Citrullus amarus</i> | 0.15 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.8 | 3 | 0.4 |
| <i>Corymbia hamersleyana</i> | 6 | | 2 |
| <i>Cucumis variabilis</i> | | | 0.2 |
| <i>Cymbopogon ambiguus</i> | | | |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dampiera candidans</i> | | | |

| | | |
|--|------|------|
| <i>Eriachne mucronata</i> | 0.4 | 0.2 |
| <i>Eucalyptus victrix</i> | 7 | 0.5 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | 0.01 |
| <i>Fimbristylis simulans</i> | | |
| <i>Goodenia microptera</i> | 0.1 | 0.01 |
| <i>Gossypium australe</i> | 1.8 | 2 |
| <i>Gossypium robinsonii</i> | 1.4 | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | 0.02 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | 0.02 |
| <i>Heliotropium crispatum</i> | | |
| <i>Hibiscus coatesii</i> | 0.3 | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.15 | 0.01 |
| <i>Indigofera monophylla</i> | 0.4 | 0.05 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.01 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.5 | 3 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | 0.01 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 1 |
| <i>Ptilotus axillaris</i> | 0.3 | 0.01 |
| <i>Ptilotus clementii</i> | 0.4 | 0.02 |
| <i>Ptilotus exaltatus</i> | 0.45 | 0.01 |
| <i>Rhynchosia minima</i> | | |
| <i>Senna notabilis</i> | 0.8 | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 1.2 | 0.01 |
| <i>Solanum phlomoides</i> | | |
| <i>Sporobolus australasicus</i> | 0.15 | 0.01 |
| <i>Stemodia grossa</i> | 0.5 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.7 | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.15 | 0.01 |
| <i>Trichodesma zeylanicum</i> | 1.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.3 | 0.01 |
| <i>Triodia epactia</i> | 0.9 | 0.5 |
| <i>Triodia longiceps</i> | 1.2 | 2 |
| <i>Triodia scintillans</i> | 0.7 | 1 |

PHOTO



Site Name: WC014
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/03/2021
 GPS Location: GDA94 Zone 51 313104.94E 7598713.99N
 Community: HG1
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Level (0 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Fire: <5
 Habitat: Open hummock and tussock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.4 | | 3 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Acacia robeorum</i> | | | |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.45 | | 0.5 |
| <i>Cassytha capillaris</i> | | | 0.02 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.25 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.25 | | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.25 | | 0.02 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Cucumis variabilis</i> | | | 0.02 |
| <i>Dampiera candidans</i> | 0.4 | | 0.02 |
| <i>Dodonaea coriacea</i> | | | |
| <i>Eragrostis desertorum</i> | 0.3 | | 0.3 |
| <i>Eriachne aristidea</i> | 0.2 | | 0.05 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.15 | | 0.02 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | | | |
| <i>Goodenia microptera</i> | 0.4 | | 0.4 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |

| | | | |
|--|------|--|------|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Haloragis gossei</i> var. <i>gossei</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.02 |
| <i>Heliotropium chrysocarpum</i> | 0.15 | | 0.2 |
| <i>Hibiscus coatesii</i> | 0.2 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.5 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 6 |
| <i>Petalostylis labicheoides</i> | 0.25 | | 0.01 |
| <i>Ptilotus axillaris</i> | 0.12 | | 0.4 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.05 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.05 |
| <i>Ptilotus exaltatus</i> | 0.35 | | 0.02 |
| <i>Ptilotus obovatus</i> | 0.2 | | 0.01 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.25 | | 0.1 |
| <i>Senna notabilis</i> | 0.25 | | 1 |
| <i>Senna symonii</i> | 0.2 | | 0.02 |
| <i>Seringia nephrosperma</i> | 0.5 | | 0.02 |
| <i>Solanum phlomoides</i> | 0.3 | | 1.5 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.2 | | 0.5 |
| <i>Triodia scintillans</i> | 0.2 | | 2 |
| <i>Triodia wiseana</i> | 0.3 | | 5 |
| <i>Triumfetta maconochieana</i> | 0.35 | | 0.01 |

PHOTO



Site Name: WC015
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/03/2021
 GPS Location: GDA94 Zone 51 315371.61E 7599732.47N
 Community: HG12
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >5
 Habitat: Low sparse shrubland over hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.6 | | 2 |
| <i>Acacia inaequilatera</i> | 2.2 | | 0.3 |
| * <i>Aerva javanica</i> | 0.4 | | 0.02 |
| <i>Arivela viscosa</i> | 0.1 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.15 | | 0.02 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.02 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 1.02 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.8 | | 0.01 |
| <i>Eriachne mucronata</i> | 0.4 | | 1.5 |
| <i>Euphorbia careyi</i> | 0.25 | | 0.01 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.03 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.03 |
| <i>Rhagodia eremaea</i> | 0.7 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | | 0.01 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.01 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |
| <i>Triumfetta propinqua</i> | 0.4 | | 0.05 |

PHOTO



Site Name: WC016
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/03/2021
 GPS Location: GDA94 Zone 51 314179.93E 7599311.85N
 Community: HG1
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Metamorphic (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolerite, Metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.25 | | 5 |
| <i>Acacia trachycarpa</i> | 0.05 | | 0.01 |
| <i>Arivela viscosa</i> | 0.2 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.03 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.35 | | 2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.18 | | 0.01 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.7 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.4 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.01 |
| <i>Indigofera monophylla</i> | 0.25 | | 15 |
| <i>Ptilotus auriculifolius</i> | 0.15 | | 0.01 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.5 |
| <i>Ptilotus exaltatus</i> | 0.15 | | 0.02 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | | 0.02 |
| <i>Senna notabilis</i> | 0.2 | | 0.02 |
| <i>Senna sericea</i> | 0.5 | | 4 |
| <i>Solanum phlomoides</i> | 0.15 | | 2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.02 |
| <i>Tephrosia supina</i> | 0.2 | | 0.1 |

| | | | |
|---------------------------------|------|----|------|
| <i>Tribulus</i> sp. | 0.12 | 15 | 0.01 |
| <i>Triodia wiseana</i> | 0.05 | | 10 |
| <i>Triumfetta maconochieana</i> | 0.12 | | 0.01 |

PHOTO



Site Name: WC017
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/03/2021
 GPS Location: GDA94 Zone 51 313649E 7599768.9N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Laterite, <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm, >2000mm
 CF Types: Ironstone
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: <5
 Habitat: Low sparse shrubland over sparse hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.15 | | 0.2 |
| <i>Acacia hilliana</i> | 0.3 | | 0.3 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.03 | | 0.04 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.2 |
| <i>Dampiera candicans</i> | 0.3 | | 0.5 |
| <i>Fimbristylis dichotoma</i> | 0.15 | | 0.3 |
| <i>Fimbristylis simulans</i> | 0.12 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.05 | | 0.05 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.02 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Seringia nephrosperma</i> | 0.3 | | 0.06 |
| <i>Sida</i> sp. | 0.05 | | 0.01 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.4 | | 0.05 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.05 |
| <i>Triodia scintillans</i> | 0.1 | | 10 |

PHOTO



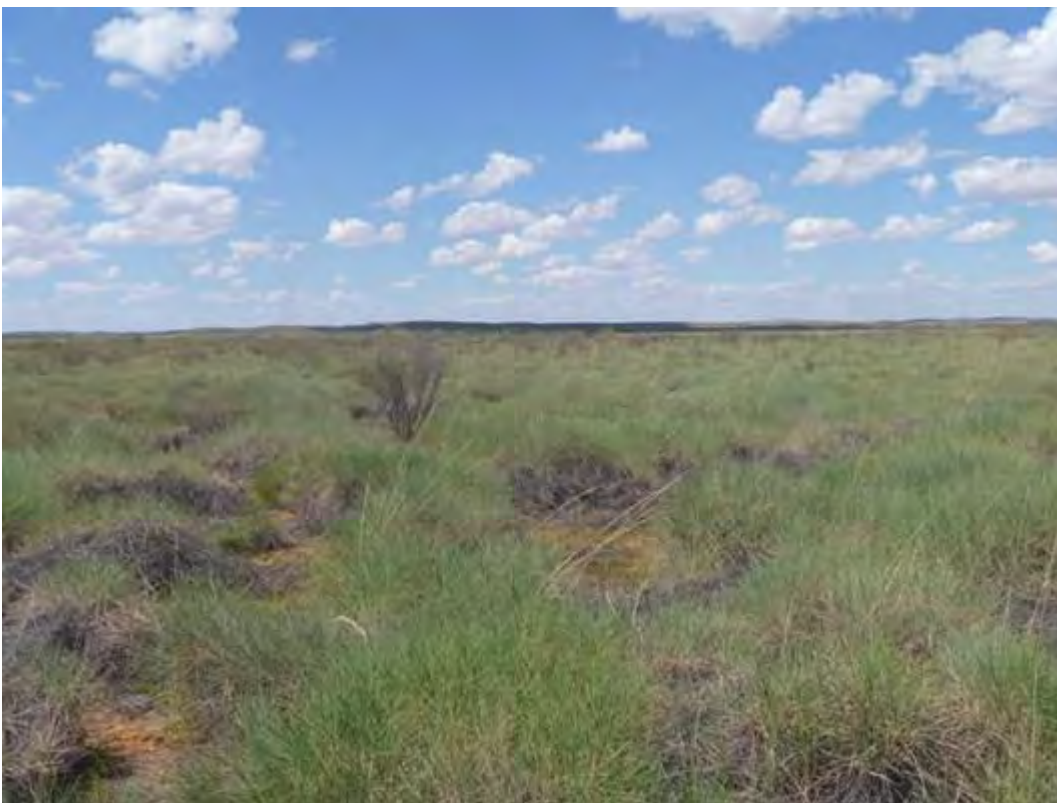
Site Name: WC018
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/04/2021
 GPS Location: GDA94 Zone 51 312453.31E 7606596.63N
 Community: HG4
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: Orange
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Limestone
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10
 Habitat: Isolated shrubs over hummock grassland over annual herbs (low) and groundcovers

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 0.7 | | 1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 1.2 | | 2.02 |
| <i>Carissa lanceolata</i> | 1.4 | | 0.02 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.8 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.02 |
| <i>Corchorus tridens</i> | 0.05 | | 5 |
| <i>Cucumis variabilis</i> | | | 0.02 |
| <i>Cullen pogonocarpum</i> | 0.2 | | 0.01 |
| <i>Dichanthium sericeum</i> subsp. <i>humilius</i> | 0.1 | | 3 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.01 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | | 0.05 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.02 |
| <i>Euphorbia trigonosperma</i> | 0.15 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.05 | | 0.05 |
| <i>Heliotropium crispatum</i> | 0.02 | | 0.02 |
| <i>Hibiscus sturtii</i> | 0.1 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.05 | | 0.01 |

| | | | |
|--|------|--|------|
| <i>Melhania oblongifolia</i> | 0.3 | | 0.01 |
| <i>Notoleptopus decaisnei</i> | 0.05 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.02 | | 0.01 |
| <i>Portulaca cyclophylla</i> | 0.02 | | 0.01 |
| <i>Pterocaulon sphacelatum</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.05 | | 0.01 |
| <i>Rhynchosia minima</i> | | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.05 | | 0.01 |
| <i>Sida ?fibulifera</i> | 0.03 | | 0.01 |
| <i>Sida fibulifera</i> | 0.1 | | 0.02 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.01 |
| <i>Solanum</i> sp. | 0.15 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.1 | | 2 |
| <i>Streptoglossa bubakii</i> | 0.02 | | 0.02 |
| <i>Tephrosia supina</i> | 0.15 | | 0.02 |
| <i>Triodia longiceps</i> | 0.5 | | 65 |
| <i>Triodia wiseana</i> | 0.3 | | 1 |

PHOTO



Site Name: WC019
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/04/2021
 GPS Location: GDA94 Zone 51 313191.98E 7606191.18N
 Community: HG7
 Landform Type: Flat
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Yellow
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Ironstone, Limestone, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.9 | | 3 |
| <i>Acacia robeorum</i> | 1.3 | | 2 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 1.2 | | 0.02 |
| <i>Bonamia pilbarensis</i> | 0.05 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Cullen pogonocarpum</i> | 0.15 | | 0.01 |
| <i>Cynodon convergens</i> | 0.2 | | 0.05 |
| <i>Dolichocarpa crouchiana</i> | 0.15 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.25 | | 0.05 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.15 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.15 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.25 | | 0.05 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.1 | | 0.02 |
| <i>Heliotropium crispatum</i> | 0.2 | | 0.01 |
| <i>Hibiscus sturtii</i> | 0.1 | | 0.02 |
| <i>Indigofera linnaei</i> | 0.05 | | 0.01 |
| <i>Iseilema dolichotrichum</i> | 0.15 | | 0.02 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.2 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Polymeria mollis</i> | 0.05 | | 0.1 |

| | | | |
|--|------|--|------|
| <i>Pterocaulon sphacelatum</i> | 0.05 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | | 0.02 |
| <i>Senna notabilis</i> | 0.1 | | 0.02 |
| <i>Senna symonii</i> | 0.5 | | 0.02 |
| <i>Sporobolus australasicus</i> | 0.15 | | 1 |
| <i>Stackhousia muricata</i> | 0.1 | | 0.01 |
| <i>Tephrosia supina</i> | 0.05 | | 0.01 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |

PHOTO



Site Name: WC020
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 318748.82E 7602290.32N
 Community: HG11
 Landform Type: Ridge, hilltop (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay
 Soil Colour: Red
 Rock Outcrop: Chert Breccia (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Isolated low trees over hummock grassland and scattered low shrubs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 0.02 |
| <i>Acacia arida</i> | 0.4 | | 0.3 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.05 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.01 |
| <i>Dampiera candicans</i> | 0.3 | | 0.2 |
| <i>Dodonaea coriacea</i> | 0.2 | | 0.01 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.5 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.2 | | 0.02 |
| <i>Fimbristylis simulans</i> | 0.25 | | 1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.9 | | 0.02 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.7 | | 0.05 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.01 |
| <i>Polycarpaea involuocrata</i> | 0.15 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.03 | | 0.01 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.05 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.01 |

| | | | |
|---|------|--|------|
| <i>Senna sericea</i> | 0.8 | | 0.02 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.15 | | 0.01 |
| <i>Solanum horridum</i> | | | |
| <i>Solanum phlomoides</i> | 0.3 | | 0.01 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.01 |
| <i>Tribulus suberosus</i> | 0.8 | | 0.02 |
| <i>Triodia scintillans</i> | 0.2 | | 20 |

PHOTO



Site Name: WC021
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 318501.84E 7602777.86N
 Community: HG1
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Chert Breccia (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Limestone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Open Acacia shrubland over hummock grassland with isolated herbs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.8 | | 4 |
| <i>Acacia bivenosa</i> | 1.6 | | 3 |
| <i>Acacia hilliana</i> | 1.1 | | 0.4 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | | | |
| <i>Eriachne mucronata</i> | 0.4 | | 0.03 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.02 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.3 |
| <i>Goodenia cusackiana</i> | 0.4 | | 0.01 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.02 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.02 |
| <i>Petalostylis labicheoides</i> | 0.2 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Portulaca cyclophylla</i> | 0.01 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.02 |
| <i>Senna notabilis</i> | 0.15 | | 0.01 |
| <i>Senna sericea</i> | 0.6 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.5 |
| <i>Solanum horridum</i> | 0.2 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.01 |
| <i>Tephrosia supina</i> | 0.1 | | 0.01 |

| | | | |
|----------------------------|-----|--|----|
| <i>Triodia scintillans</i> | 0.4 | | 17 |
| <i>Triodia wiseana</i> | 0.4 | | 7 |

PHOTO



Site Name: WC022
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 318945.9E 7601290.63N
 Community: HG5
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz, Metamorphised granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Isolated tall shrubs over sparse hummock grassland over chenopods

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.1 | | 0.01 |
| <i>Acacia ancistrocarpa</i> | 1.5 | | 0.1 |
| <i>Acacia bivenosa</i> | | | |
| <i>Acacia robeorum</i> | 1.8 | | 0.04 |
| <i>Aristida contorta</i> | 0.3 | | 0.03 |
| <i>Bonamia media</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.02 |
| <i>Cynodon prostratus</i> | 0.05 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.2 | | 0.01 |
| <i>Eriachne aristidea</i> | 0.2 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Goodenia cusackiana</i> | 0.05 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.25 | | 0.01 |
| <i>Gossypium australe</i> | 0.9 | | 0.05 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.01 |
| <i>Pluchea tetranthera</i> | | | |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.12 | | 0.01 |
| <i>Portulaca cyclophylla</i> | 0.02 | | 0.03 |
| <i>Sclerolaena costata</i> | 0.15 | | 0.02 |

| | | | |
|---|------|--|------|
| <i>Senna notabilis</i> | 0.2 | | 0.01 |
| <i>Senna symonii</i> | | | |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.02 |
| <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i> | 0.05 | | 0.5 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.01 |
| <i>Triodia epactia</i> | 0.4 | | 0.2 |
| <i>Triodia longiceps</i> | 0.7 | | 0.5 |
| <i>Triodia scintillans</i> | 0.4 | | 3 |
| <i>Triodia wiseana</i> | 1 | | 1 |

PHOTO



Site Name: WC023
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319498.87E 7602211.74N
 Community: HG1
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Chert Breccia (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Scattered shrubs over hummock and tussock grassland with isolated low shrubs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia colei</i> var. <i>colei</i> | | | |
| <i>Acacia robeorum</i> | 0.6 | | 0.01 |
| <i>Acacia synchronicia</i> | | | |
| <i>Amaranthus cuspidifolius</i> | | | |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| <i>Cymbopogon ambiguus</i> | | | |
| <i>Cynanchum floribundum</i> | | | |
| <i>Eriachne mucronata</i> | 0.2 | | 3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.15 | | 0.02 |
| <i>Gomphrena cunninghamii</i> | | | |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.2 | | 0.01 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.08 |
| <i>Petalostylis labicheoides</i> | 1.5 | | 1 |
| <i>Polycarpaea holtzei</i> | 0.01 | | 0.01 |
| <i>Senna notabilis</i> | | | |
| <i>Senna sericea</i> | | | |
| <i>Senna symonii</i> | 1 | | 0.03 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | | | |
| <i>Tribulus suberosus</i> | 0.3 | | 0.01 |
| <i>Triodia brizoides</i> | 0.2 | | 15 |
| <i>Triodia longiceps</i> | 0.3 | | 7 |

| | | |
|------------------------|-----|---|
| <i>Triodia wiseana</i> | 0.2 | 1 |
|------------------------|-----|---|

PHOTO

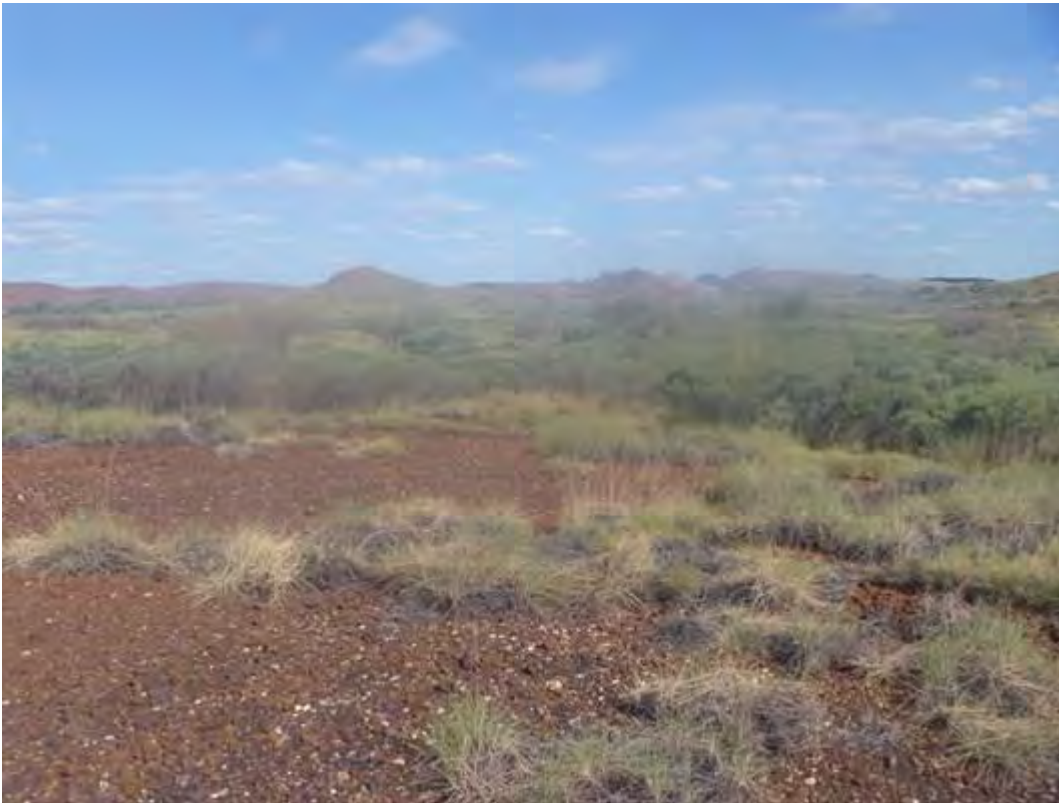


Site Name: WC024
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319213.28E 7602159.14N
 Community: HG1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Types: Ironstone, Limestone, Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Mining - extensive drill lines/pads, Animal Disturbance - cattle
 Fire: >10
 Habitat: Tall shrubs over hummock grasses with sparse low shrubs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.5 | | 1 |
| <i>Acacia arida</i> | 1.4 | | 10 |
| <i>Acacia bivenosa</i> | 1.4 | | 0.5 |
| <i>Acacia colei</i> var. <i>colei</i> | 1.9 | | 0.2 |
| <i>Acacia robeorum</i> | 1.8 | | 0.3 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.02 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.15 | | 0.01 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.01 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | | 0.02 |
| <i>Senna notabilis</i> | 0.05 | | 0.01 |
| <i>Senna symonii</i> | 0.9 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.01 |
| <i>Triodia longiceps</i> | 0.7 | | 15 |
| <i>Triodia wiseana</i> | 0.4 | | 1 |

PHOTO



Site Name: WC025
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314330.03E 7603108.75N
 Community: HG4
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Types: Granite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Tall sparse shrubland over hummock grassland and small isolated tussock grasses

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 1.7 | | 0.4 |
| <i>Acacia synchronicia</i> | 2.5 | | 1 |
| <i>Bulbostylis barbata</i> | 0.07 | | 0.05 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.3 |
| <i>Dichanthium sericeum</i> subsp. <i>humilius</i> | 0.1 | | 0.05 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.02 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.15 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.01 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.02 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.01 |
| <i>Gossypium australe</i> | 1.2 | | 0.2 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.2 | | 0.01 |
| <i>Heliotropium chrysocarpum</i> | 0.25 | | 0.02 |
| <i>Paspalidium clementii</i> | | | |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.01 |
| <i>Pterocaulon sphacelatum</i> | 0.05 | | 0.01 |

| | | | |
|--|------|--|------|
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.02 |
| <i>Rhynchosia minima</i> | 0.02 | | 0.01 |
| <i>Sclerolaena costata</i> | 0.2 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | | 0.5 |
| <i>Senna notabilis</i> | 0.05 | | 0.01 |
| <i>Sida fibulifera</i> | 0.15 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.5 |
| <i>Streptoglossa decurrens</i> | 0.05 | | 0.01 |
| <i>Tephrosia supina</i> | 0.15 | | 0.02 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.15 | | 0.02 |
| <i>Trianthema triquetrum</i> | 0.02 | | 0.05 |
| * <i>Tribulus terrestris</i> | 0.15 | | 0.01 |
| <i>Triodia longiceps</i> | | | |
| <i>Triodia wiseana</i> | 0.6 | | 15 |

PHOTO



Site Name: WC026
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314040.97E 7603488.33N
 Community: S2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Isolated trees over tall open shrubland over open hummock grassland over dense ground covers and climbers

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 6 | | 2 |
| <i>Acacia synchronicia</i> | 1.9 | | 2.2 |
| * <i>Aerva javanica</i> | 0.3 | | 0.01 |
| <i>Alysicarpus muelleri</i> | 0.6 | | 0.2 |
| <i>Atalaya hemiglauca</i> | 4 | | 1 |
| <i>Blumea tenella</i> | 0.25 | | 0.01 |
| <i>Bothriochloa ewartiana</i> | 0.6 | | 0.02 |
| <i>Carissa lanceolata</i> | 3 | | 4 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 1 |
| <i>Chrysopogon fallax</i> | 0.8 | | 0.01 |
| * <i>Citrullus amarus</i> | 0.2 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 1.5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.4 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 2 |
| <i>Cullen pogonocarpum</i> | 0.5 | | 0.1 |
| <i>Dichrostachys spicata</i> | 2.5 | | 0.5 |
| <i>Dicladantha forrestii</i> | 0.2 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.15 | | 0.01 |
| <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> (P2) | 0.1 | | 0.01 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.02 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.25 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |

| | | | |
|--|------|--|------|
| <i>Ipomoea muelleri</i> | 0.15 | | 21 |
| * <i>Malvastrum americanum</i> | 0.5 | | 0.3 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.5 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.02 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Polymeria mollis</i> | 0.1 | | 0.3 |
| <i>Pterocaulon sphacelatum</i> | 0.05 | | 0.05 |
| <i>Pterocaulon sphaeranthoides</i> | 0.3 | | 0.02 |
| <i>Rhynchosia minima</i> | | | 0.5 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.8 | | 0.04 |
| <i>Senna notabilis</i> | 0.3 | | 0.01 |
| <i>Sida fibulifera</i> | 0.1 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.2 | | 1 |
| <i>Striga squamigera</i> | 0.2 | | 0.05 |
| <i>Tragus australianus</i> | 0.6 | | 0.5 |
| <i>Triodia longiceps</i> | 0.9 | | 20 |
| <i>Triodia wiseana</i> | 0.5 | | 1 |
| * <i>Vachellia farnesiana</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WC027
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 315282.81E 7601727.79N
 Community: TG1
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Fire: >10
 Habitat: Isolated trees over sparse tall shrubland over tussock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 1.6 | | 1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3 | | 2 |
| <i>Acacia synchronicia</i> | 2.1 | | 0.5 |
| <i>Acacia trachycarpa</i> | 1.2 | | 0.05 |
| * <i>Aerva javanica</i> | 0.6 | | 0.05 |
| <i>Arivela viscosa</i> | 0.05 | | 0.01 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.04 |
| <i>Boerhavia ?coccinea</i> | 0.15 | | 5 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 60 |
| * <i>Citrullus amarus</i> | 0.15 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.02 |
| <i>Corchorus tridens</i> | 0.1 | | 1 |
| <i>Corymbia hamersleyana</i> | 8 | | 1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.3 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 6 | | 0.8 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.01 |
| <i>Notoleptopus decaisnei</i> | 0.05 | | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.01 |
| <i>Polycarpaea holtzei</i> | | | |
| <i>Portulaca oleracea</i> | 0.05 | | 0.02 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.02 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Trianthema triquetrum</i> | | | |

| | | |
|------------------------|-----|---|
| <i>Triodia epactia</i> | 0.5 | 1 |
|------------------------|-----|---|

PHOTO



Site Name: WC028
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 315686.05E 7601863.21N
 Community: W2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sand
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10
 Habitat: Tall open woodland over tall shrubland over open tussock grassland over sparse low herbs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3 | | 1.5 |
| <i>Acacia inaequilatera</i> | 1.2 | | 0.4 |
| <i>Acacia trachycarpa</i> | 2.5 | | 0.2 |
| * <i>Aerva javanica</i> | 0.4 | | 0.02 |
| <i>Alternanthera angustifolia</i> | 0.2 | | 0.05 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.01 |
| <i>Ammannia baccifera</i> | 0.15 | | 0.08 |
| <i>Ammannia multiflora</i> | 0.25 | | 0.2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.02 |
| <i>Atalaya hemiglauca</i> | 4 | | 0.8 |
| <i>Boerhavia ?coccinea</i> | 0.15 | | 2 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 8 |
| <i>Centipeda minima</i> subsp. <i>macrocephala</i> | 0.1 | | 0.1 |
| * <i>Citrullus amarus</i> | 0.2 | | 0.02 |
| <i>Cucumis variabilis</i> | | | 0.02 |
| <i>Cynanchum floribundum</i> | 0.05 | | 0.01 |
| <i>Cyperus vaginatus</i> | 0.9 | | 0.5 |
| <i>Eragrostis tenellula</i> | 0.2 | | 0.1 |
| <i>Eucalyptus victrix</i> | 12 | | 12 |

| | | | |
|---|------|--|------|
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.02 |
| <i>Euphorbia trigonosperma</i> | 0.4 | | 0.01 |
| <i>Heliotropium crispatum</i> | 0.15 | | 0.01 |
| <i>Ipomoea muelleri</i> | 0.1 | | 0.01 |
| <i>Melaleuca glomerata</i> | 5 | | 7 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.03 |
| <i>Pluchea rubelliflora</i> | 0.1 | | 0.04 |
| <i>Streptoglossa decurrens</i> | 0.15 | | 0.05 |

PHOTO



Site Name: WC029
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 315497.83E 7601966.69N
 Community: TG1
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sand
 Soil Colour: orange (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Types: Granite, Dolerite
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Animal Disturbance - cattle
 Fire: >10
 Habitat: Isolated trees over tall sparse shrubland over hummock and tussock grassland over low herbs and groundcovers

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.8 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 3 |
| <i>Acacia synchronicia</i> | 3 | | 2 |
| <i>Acacia trachycarpa</i> | 2.1 | | 0.05 |
| * <i>Aerva javanica</i> | 0.4 | | 0.5 |
| <i>Arivela viscosa</i> | 0.3 | | 1 |
| <i>Atalaya hemiglauca</i> | 0.2 | | 0.04 |
| <i>Boerhavia ?coccinea</i> | 0.1 | | 1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 9 |
| <i>Corchorus laniflorus</i> | 0.8 | | 0.01 |
| <i>Cucumis variabilis</i> | 0.05 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.01 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 0.8 |
| <i>Hypertelis cerviana</i> | 0.1 | | 0.01 |
| <i>Indigofera linnaei</i> | 0.02 | | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.08 | | 0.01 |
| <i>Polycarpaea holtzei</i> | | | |
| <i>Portulaca oleracea</i> | 0.1 | | 0.01 |

| | | | |
|---------------------------------|------|--|------|
| <i>Pterocaulon sphacelatum</i> | 0.05 | | 0.01 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.15 | | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | | 4 |
| <i>Triodia epactia</i> | 0.6 | | 8 |

PHOTO



Site Name: WC030
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 316285.15E 7607446.02N
 Community: W2
 Landform Type: Other, top of bank near large creek (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clayey Sand
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Disturbance: Animal Disturbance - high cattle activity
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.2 | | 0.01 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 7 | | 1.5 |
| <i>Acacia trachycarpa</i> | 1.1 | | 0.1 |
| * <i>Aerva javanica</i> | 1.2 | | 2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.05 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.01 |
| <i>Amaranthus undulatus</i> | 0.7 | | 1 |
| * <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | 0.05 | | 0.01 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 8 | | 2.5 |
| <i>Boerhavia ?coccinea</i> | 0.2 | | 4 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 72 |
| * <i>Citrullus amarus</i> | | | 3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.05 | | 0.01 |
| <i>Corchorus tridens</i> | 0.1 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.3 |
| <i>Cucumis variabilis</i> | | | 1 |
| <i>Cyperus vaginatus</i> | 0.6 | | 0.2 |
| * <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 0.8 | | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.25 | | 0.05 |

| | | | |
|---|------|--|------|
| <i>Eragrostis tenellula</i> | 0.25 | | 0.1 |
| <i>Eucalyptus victrix</i> | 14 | | 7 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.5 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.01 |
| <i>Heliotropium crispatum</i> | 0.2 | | 0.01 |
| <i>Ipomoea muelleri</i> | | | 0.3 |
| * <i>Malvastrum americanum</i> | 0.1 | | 0.01 |
| <i>Melaleuca glomerata</i> | 2.5 | | 2 |
| <i>Notoleptopus decaisnei</i> | 0.4 | | 0.4 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.15 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.05 | | 0.01 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.02 |
| <i>Senna notabilis</i> | 0.05 | | 0.02 |
| <i>Streptoglossa decurrens</i> | 0.4 | | 0.01 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | | 0.1 |
| * <i>Trianthema portulacastrum</i> | 0.1 | | 0.2 |
| <i>Trianthema triquetrum</i> | 0.05 | | 0.3 |
| * <i>Tribulus terrestris</i> | | | |

PHOTO



Site Name: WC031
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 316054.48E 7607390.45N
 Community: HG1
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Isolated trees over sparse tall shrubland over open hummock grassland over sparse low shrubland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2.2 | | 0.5 |
| <i>Acacia bivenosa</i> | 1.6 | | 0.5 |
| <i>Acacia inaequilatera</i> | 1.8 | | 0.5 |
| <i>Acacia ptychophylla</i> | 0.8 | | 3 |
| <i>Arivela viscosa</i> | 0.2 | | 0.05 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.05 | | 0.01 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.5 |
| <i>Dysphania rhadinostachya</i> | 0.25 | | 0.01 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.01 |
| <i>Fimbristylis simulans</i> | 0.25 | | 0.01 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.2 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.02 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.4 | | 0.05 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.8 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.3 |

| | | |
|---|------|------|
| <i>Ptilotus auriculifolius</i> | 0.5 | 0.01 |
| <i>Ptilotus calostachyus</i> | 0.5 | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.02 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.8 | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.9 | 0.3 |
| <i>Senna symonii</i> | 1.3 | 0.1 |
| <i>Solanum gabrielae</i> | | |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.01 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.15 | 0.05 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.01 |
| <i>Tribulus suberosus</i> | 0.9 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.15 | 0.02 |
| <i>Triodia longiceps</i> | 0.6 | 0.5 |
| <i>Triodia scintillans</i> | 0.4 | 3 |
| <i>Triodia wiseana</i> | 0.5 | 15 |

PHOTO



Site Name: WC032
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 316803.17E 7607617.8N
 Community: TG1
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NE
 Soil Type: Clayey Sand
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.05 | | 0.01 |
| <i>Acacia inaequilatera</i> | 0.9 | | 0.01 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3 | | 3 |
| <i>Acacia trachycarpa</i> | 1 | | 0.5 |
| * <i>Aerva javanica</i> | 0.9 | | 1.5 |
| <i>Amaranthus undulatus</i> | 0.7 | | 0.02 |
| <i>Arivela viscosa</i> | 0.3 | | 0.01 |
| <i>Atalaya hemiglauca</i> | 5 | | 1 |
| <i>Boerhavia ?coccinea</i> | 0.2 | | 3 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 45 |
| * <i>Citrullus amarus</i> | | | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.05 | | 0.01 |
| <i>Corchorus tridens</i> | 0.05 | | 0.01 |
| <i>Cucumis variabilis</i> | | | 0.05 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.05 | | 0.01 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 6 | | 1.5 |
| <i>Hypertelis cerviana</i> | | | |
| <i>Polycarphaea corymbosa</i> var. <i>corymbosa</i> | | | |
| <i>Portulaca oleracea</i> | | | |

| | | | |
|--------------------------------|------|--|------|
| <i>Ptilotus auriculifolius</i> | | | |
| <i>Senna notabilis</i> | 0.15 | | 0.01 |
| <i>Trianthea pilosum</i> | | | |
| <i>Trianthea triquetrum</i> | 0.05 | | 0.03 |
| <i>Triodia epactia</i> | | | |

PHOTO



Site Name: WC033
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 317329.07E 7608034.39N
 Community: HG11
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 0.7 | | 0.01 |
| <i>Acacia inaequilatera</i> | 3 | | 0.2 |
| <i>Acacia ptychophylla</i> | 0.5 | | 0.5 |
| <i>Acacia robeorum</i> | 0.8 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.05 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.4 |
| <i>Dysphania rhadinostachya</i> | 0.05 | | 0.01 |
| <i>Enneapogon lindleyanus</i> | 0.4 | | 0.02 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.02 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.02 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.02 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 3 | | 1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.2 | | 0.3 |
| <i>Polycarpaea holtzei</i> | 0.05 | | 0.01 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.02 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.01 |
| <i>Triodia scintillans</i> | 0.3 | | 35 |

PHOTO



Site Name: WC034
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 317425.54E 7607654.56N
 Community: HG7
 Landform Type: Other, undulating slope (other)
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphised Granite (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1 | | 1.5 |
| <i>Acacia robeorum</i> | 1.1 | | 3 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.05 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.5 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.05 | | 0.01 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.01 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.01 |
| <i>Gossypium robinsonii</i> | 1.1 | | 0.05 |
| <i>Heliotropium chrysocarpum</i> | 0.25 | | 0.03 |
| <i>Hibiscus coatesii</i> | 0.2 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.02 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.4 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Ptilotus axillaris</i> | 0.2 | | 0.02 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.02 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Salsola australis</i> | 0.4 | | 0.01 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.01 |
| <i>Sclerolaena cornishiana</i> | 0.25 | | 0.02 |

| | | | |
|--|------|---|------|
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | | 0.1 |
| <i>Senna sericea</i> | 0.8 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.3 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.03 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.01 |
| <i>Stackhousia muricata</i> | 0.1 | | 0.01 |
| <i>Tribulus hirsutus</i> | 0.3 | | 0.05 |
| <i>Tribulus minutus</i> (P1) | 0.05 | 1 | 0.01 |
| <i>Triodia longiceps</i> | 0.4 | | 1 |
| <i>Triodia wiseana</i> | 0.3 | | 8 |

PHOTO



Site Name: WC035R
 Site Type: RELEVE
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 318628.67E 7598447.16N
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Comments: Vegetation type too small for quadrat

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | | | 0.3 |
| <i>Acacia robeorum</i> | | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | | | |
| <i>Cynodon prostratus</i> | | | |
| <i>Gossypium robinsonii</i> | | | |
| <i>Portulaca cyclophylla</i> | | | |
| <i>Ptilotus exaltatus</i> | | | |
| <i>Sclerolaena densiflora</i> | | | 0.1 |
| <i>Sporobolus australasicus</i> | | | 0.2 |
| <i>Triodia longiceps</i> | | | 3 |

PHOTO



Site Name: WC036
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 316265.81E 7601661.12N
 Community: S2
 Landform Type: Other, floodplain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Disturbance: Animal Disturbance - high cattle activity
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | 0.9 | | 1 |
| <i>Abutilon otocarpum</i> | 0.1 | | 0.01 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 7 | | 5 |
| <i>Acacia inaequilatera</i> | 2 | | 0.5 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 5 | | 7 |
| <i>Acacia synchronicia</i> | 2.5 | | 1.5 |
| <i>Acacia trachycarpa</i> | 3 | | 0.4 |
| * <i>Aerva javanica</i> | 0.6 | | 0.4 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.01 |
| <i>Arivela viscosa</i> | 0.4 | | 0.02 |
| <i>Atalaya hemiglauca</i> | 1.5 | | 1 |
| <i>Boerhavia ?coccinea</i> | 0.2 | | 3 |
| <i>Carissa lanceolata</i> | 3 | | 4 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 80 |
| <i>Chrysopogon fallax</i> | 1.1 | | 3 |
| * <i>Citrullus amarus</i> | | | 0.8 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.01 |
| <i>Corchorus tridens</i> | 0.1 | | 0.5 |
| <i>Corymbia hamersleyana</i> | 7 | | 0.4 |
| <i>Cucumis variabilis</i> | | | 0.5 |
| <i>Dactyloctenium radulans</i> | 0.05 | | 0.01 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.01 |
| <i>Eragrostis xerophila</i> | 0.1 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.15 | | 0.02 |

| | | | |
|---|------|--|------|
| <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> (P2) | 0.01 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.01 |
| <i>Indigofera colutea</i> | 0.2 | | 0.01 |
| <i>Indigofera linifolia</i> | 0.15 | | 0.01 |
| <i>Ipomoea muelleri</i> | 0.2 | | 1 |
| <i>Josephinia eugeniae</i> | 0.9 | | 0.03 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.02 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Polymeria mollis</i> | 0.1 | | 0.02 |
| <i>Portulaca filifolia</i> | 0.2 | | 0.01 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.02 |
| <i>Pterocaulon</i> sp. | 0.05 | | 0.01 |
| <i>Pterocaulon sphacelatum</i> | 0.05 | | 0.01 |
| <i>Ptilotus murrayi</i> | 0.1 | | 0.02 |
| <i>Senna notabilis</i> | 0.2 | | 0.02 |
| <i>Sporobolus australasicus</i> | 0.25 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.01 |

PHOTO



Site Name: WC037
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 315911.43E 7601750.08N
 Community: HG1
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >12

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 1.6 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.02 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Sclerolaena costata</i> | 0.2 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | 1.5 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.01 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.2 | | 0.1 |
| <i>Triodia wiseana</i> | 0.7 | | 50 |

PHOTO



Site Name: WC038R
 Site Type: RELEVE
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 316105.44E 7603914.85N
 Landform Type: Drainage Line
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clayey Sand
 Soil Colour: light red brown (other)
 Rock Outcrop: Calcrete, Mudstone (other), 20-50% bedrock exposed
 CF Types: calcrete, mudstone (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2.5 | | 10 |
| <i>Acacia bivenosa</i> | 2 | | |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 0.4 | | |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.5 |
| <i>Cucumis variabilis</i> | | | |
| <i>Cymbopogon ambiguus</i> | 0.7 | | 1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | |
| <i>Eriachne mucronata</i> | 0.35 | | 2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.05 | | |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 20 |
| <i>Heliotropium crispatum</i> | 0.05 | | |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | 0.3 | | |
| <i>Indigofera monophylla</i> | 0.5 | | |
| <i>Melhania oblongifolia</i> | 0.25 | | 3 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 2 |
| <i>Petalostylis labicheoides</i> | 1.2 | | |
| <i>Ptilotus fusiformis</i> | 0.2 | | |
| <i>Sporobolus australasicus</i> | 0.2 | | |
| <i>Triodia wiseana</i> | 0.4 | | 10 |

PHOTO



Site Name: WC039
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 315864.54E 7603871.12N
 Community: HG12
 Landform Type: Ridge
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, Calcrete (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: calcrete (other), Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 3 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.2 |
| <i>Acacia inaequilatera</i> | 1.3 | | 0.2 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.02 |
| <i>Bonamia pilbarensis</i> | 0.05 | | 0.03 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.2 |
| <i>Cynanchum floribundum</i> | | | 0.01 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.02 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.05 | | 0.01 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.02 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.05 | | 0.01 |
| <i>Petalostylis labicheoides</i> | 0.05 | | 0.02 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.05 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Polymeria mollis</i> | 0.1 | | 0.02 |
| <i>Pterocaulon sphacelatum</i> | 0.05 | | 0.01 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.05 |

| | | | |
|--|------|--|------|
| <i>Ptilotus axillaris</i> | 0.1 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.1 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | | 1 |
| <i>Senna notabilis</i> | 0.05 | | 0.01 |
| <i>Senna symonii</i> | 0.8 | | 1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.5 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.01 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.01 |
| <i>Triodia wiseana</i> | 0.4 | | 30 |

PHOTO



Site Name: WC040R
 Site Type: RELEVE
 Survey Date: 06/05/2021
 GPS Location: GDA94 Zone 51 316141.84E 7608271.9N
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Silica (other), 10-20% bedrock exposed
 CF Abundance: 20-50%
 CF Types: Silica/chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Habitat: Sparse tall shrubland over hummock grassland over sparse low shrubland

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*, *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia scintillans*
 Lower Stratum 2: *Dampiera candidans*, *Goodenia stobbsiana*, *Ptilotus calostachyus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | | | |
| <i>Dampiera candidans</i> | | | |
| <i>Goodenia stobbsiana</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Ptilotus calostachyus</i> | | | |
| <i>Triodia scintillans</i> | | | 30 |

PHOTO



Site Name: WC041R
 Site Type: RELEVE
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 317627.14E 7603383.74N
 Landform Type: Other, Undulating plain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle
 Habitat: Low open woodland over sparse shrubland over open hummock grassland.

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Upper Stratum 2: *Acacia sclerosperma* subsp. *sclerosperma*, *Eucalyptus odontocarpa*
 Mid Stratum 1: *Acacia ancistrocarpa*, *Acacia bivenosa*, *Acacia hilliana*
 Mid Stratum 2: *Corchorus sidoides* subsp. *sidoides*, *Goodenia stobbsiana*, *Seringia nephrosperma*
 Lower Stratum 1: *Paraneurachne muelleri*, *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2 | | |
| <i>Acacia bivenosa</i> | | | |
| <i>Acacia hilliana</i> | 2 | | |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 5 | | |
| <i>Afrohybanthus aurantiacus</i> | | | |
| <i>Aristida holathera</i> var. <i>holathera</i> | | | |
| <i>Bonamia erecta</i> | | | |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | | | |
| <i>Corymbia hamersleyana</i> | 7 | | |
| <i>Eucalyptus odontocarpa</i> | 3 | | |
| <i>Goodenia stobbsiana</i> | | | |
| <i>Hibiscus coatesii</i> | | | |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | | | |
| <i>Paraneurachne muelleri</i> | | | |
| <i>Seringia nephrosperma</i> | | | |
| <i>Sporobolus australasicus</i> | | | |
| <i>Triodia epactia</i> | | | |

| | | | |
|----------------------------|--|--|--|
| <i>Triodia scintillans</i> | | | |
|----------------------------|--|--|--|

PHOTO



Site Name: WC042
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 311929.03E 7608711.12N
 Community: HG8
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.25 | | 0.04 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.02 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | | | |
| <i>Arivela viscosa</i> | 0.3 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.4 |
| <i>Bulbostylis barbata</i> | 0.08 | | 2 |
| <i>Chrysopogon fallax</i> | 0.6 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.5 |
| <i>Cullen stipulaceum</i> | | | |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.01 |
| <i>Dysphania rhadinostachya</i> | 0.02 | | 0.01 |
| <i>Eragrostis desertorum</i> | 0.6 | | 0.02 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.04 |
| <i>Euphorbia trigonosperma</i> | 0.4 | | 0.03 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.03 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.01 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | | 0.5 |
| <i>Gomphrena cunninghamii</i> | 0.15 | | 0.01 |
| <i>Goodenia microptera</i> | 0.25 | | 0.5 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.2 |

| | | |
|--|------|------|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.9 | 0.05 |
| <i>Heliotropium crispatum</i> | 0.15 | 0.02 |
| <i>Indigofera colutea</i> | 0.05 | 0.01 |
| <i>Paspalidium clementii</i> | 0.25 | 0.5 |
| <i>Pluchea dentex</i> | 0.5 | 0.01 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | 0.05 |
| <i>Pluchea tetranthera</i> | 0.6 | 0.05 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.12 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.07 | 0.02 |
| <i>Polygala glaucifolia</i> | 0.05 | 0.01 |
| <i>Pterocaulon sphacelatum</i> | 0.03 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.03 |
| <i>Ptilotus auriculifolius</i> | 0.3 | 0.05 |
| <i>Rhynchosia minima</i> | | 0.01 |
| <i>Senna notabilis</i> | 0.2 | 0.3 |
| <i>Sida ?echinocarpa</i> | 0.06 | 0.02 |
| <i>Solanum diversiflorum</i> | 0.05 | 0.01 |
| <i>Solanum horridum</i> | 0.15 | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.02 |
| <i>Sporobolus australasicus</i> | 0.15 | 1 |
| <i>Streptoglossa decurrens</i> | 0.05 | 0.02 |
| <i>Swainsona decurrens</i> | 0.15 | 0.02 |
| <i>Tephrosia supina</i> | 0.15 | 0.03 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.01 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.01 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.01 |
| <i>Triodia longiceps</i> | 0.6 | 20 |
| <i>Triodia scintillans</i> | 0.4 | 15 |

PHOTO



Site Name: WC043
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 312478.1E 7608316.1N
 Community: HG8
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2.5 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 0.8 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.1 | | 0.1 |
| <i>Acacia robeorum</i> | | | |
| <i>Acacia trachycarpa</i> | 1.8 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.01 |
| <i>Arivela viscosa</i> | 0.8 | | 0.01 |
| <i>Bonamia media</i> | 0.2 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.02 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.6 |
| <i>Calandrinia</i> sp. | 0.05 | | 0.01 |
| * <i>Calotropis procera</i> | | | |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.7 |
| <i>Cucumis variabilis</i> | | | 0.5 |
| <i>Cynodon prostratus</i> | 0.02 | | 0.02 |
| <i>Dactyloctenium radulans</i> | 0.05 | | 0.01 |
| ? <i>Dissocarpus paradoxus</i> | 0.6 | | 0.02 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.01 |

| | | | |
|---|-------|--|------|
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.005 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.4 | | 0.05 |
| <i>Goodenia microptera</i> | 0.3 | | 0.03 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.01 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 0.9 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | | 0.3 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 5 | | 2 |
| <i>Ipomoea muelleri</i> | 0.1 | | 0.2 |
| <i>Ipomoea polymorpha</i> | 0.1 | | 0.02 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.6 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.03 |
| <i>Polycarpaea holtzei</i> | 0.05 | | 0.01 |
| <i>Portulaca cyclophylla</i> | 0.01 | | 0.01 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.02 |
| <i>Ptilotus auriculifolius</i> | | | |
| <i>Sclerolaena crenata</i> | 0.2 | | 0.05 |
| <i>Senna notabilis</i> | 0.3 | | 0.5 |
| <i>Sida echinocarpa</i> | 0.9 | | 0.01 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.4 |
| <i>Streptoglossa decurrens</i> | 0.2 | | 0.01 |
| <i>Tephrosia supina</i> | 0.15 | | 0.04 |
| <i>Trianthema pilosum</i> | 0.2 | | 0.5 |
| <i>Trianthema triquetrum</i> | 0.15 | | 0.5 |
| <i>Tribulopsis angustifolia</i> | 0.1 | | 0.02 |
| <i>Trigastrotheca molluginea</i> | | | |
| <i>Triodia epactia</i> | 0.5 | | 30 |
| <i>Triodia longiceps</i> | 0.8 | | 0.5 |
| <i>Triumfetta chaetocarpa</i> | | | |

PHOTO



Site Name: WC044R
 Site Type: RELEVE
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 312672.95E 7608549.26N
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sand
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Comments: Degraded version of WC043

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*, *Acacia robeorum*
 Mid Stratum 2: *Pluchea dentex*, *Pluchea ferdinandi-muelleri*, *Pluchea tetranthera*
 Lower Stratum 1: *Acacia trachycarpa*, **Cenchrus ciliaris*, *Triodia epactia*, *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|------------------------------------|-------------|-------------|-------------|
| <i>Acacia arida</i> | | | |
| <i>Acacia robeorum</i> | | | |
| <i>Acacia trachycarpa</i> | | | |
| * <i>Cenchrus ciliaris</i> | | | |
| <i>Chrysopogon fallax</i> | | | |
| <i>Pluchea dentex</i> | | | |
| <i>Pluchea ferdinandi-muelleri</i> | | | |
| <i>Pluchea tetranthera</i> | | | |
| <i>Portulaca oleracea</i> | | | |
| <i>Sclerolaena crenata</i> | | | |
| <i>Trianthema pilosum</i> | | | |
| <i>Trianthema triquetrum</i> | | | |
| <i>Triodia epactia</i> | | | |
| <i>Triodia longiceps</i> | | | |

PHOTO



Site Name: WC045
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 311937.24E 7615722.26N
 Community: HG8
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: 2-5 years
 Habitat: Isolated trees over Malvaceae rich sparse low shrubland over tussock and hummock grassland over groundcovers

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.4 | | 0.02 |
| <i>Acacia ancistrocarpa</i> | 0.5 | | 0.02 |
| <i>Acacia inaequilatera</i> | 1.1 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.03 |
| <i>Bonamia media</i> | 0.1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | | | |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.01 |
| <i>Eragrostis desertorum</i> | 0.3 | | 25 |
| <i>Goodenia microptera</i> | 0.25 | | 0.05 |
| <i>Goodenia stobbsiana</i> | | | |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.4 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 5 | | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | | | |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.01 |

| | | |
|--|------|------|
| <i>Heliotropium crispatum</i> | 0.3 | 0.02 |
| <i>Hibiscus brachychlaenus</i> | 0.9 | 0.02 |
| <i>Hibiscus leptocladus</i> | 0.4 | 0.2 |
| <i>Indigofera monophylla</i> | | |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.02 |
| <i>Paranotis pterospora</i> | | |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.2 | 15 |
| <i>Ptilotus exaltatus</i> | 0.6 | 0.02 |
| <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> | | |
| <i>Senna notabilis</i> | 0.2 | 0.05 |
| <i>Sida arenicola</i> | 1.1 | 0.01 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.9 | 2 |
| <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) | 0.3 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.4 | 0.03 |
| <i>Tephrosia supina</i> | 0.2 | 0.03 |
| <i>Trianthema pilosum</i> | 0.2 | 2 |
| <i>Tribulopsis angustifolia</i> | 0.15 | 0.05 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.05 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.2 | 1 |
| <i>Trigastrotheca molluginea</i> | 0.3 | 1 |
| <i>Triodia epactia</i> | 0.3 | 10 |

PHOTO



Site Name: WC046
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 312285.75E 7616335.92N
 Community: HG8
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Disturbance: Animal Disturbance - high cattle activity
 Fire: >10
 Habitat: Isolated trees over isolated clumps of tall shrubs over closed tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.8 | | 0.02 |
| <i>Acacia synchronicia</i> | 2.1 | | 1.1 |
| <i>Acacia trachycarpa</i> | 2 | | 2 |
| * <i>Aerva javanica</i> | 0.6 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 72 |
| <i>Corymbia hamersleyana</i> | 8 | | 3 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.03 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.03 |
| <i>Gossypium australe</i> | 0.9 | | 0.05 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 6 | | 0.5 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.02 |
| <i>Ipomoea muelleri</i> | 0.2 | | 0.01 |
| <i>Petalostylis labicheoides</i> | 1.3 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | | 0.05 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.02 |
| <i>Ptilotus axillaris</i> | 0.15 | | 0.01 |
| <i>Senna notabilis</i> | 0.4 | | 0.1 |

| | | | |
|--|------|--|------|
| <i>Sida clementii</i> | 0.8 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tinospora smilacina</i> | | | 0.01 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.15 | | 0.05 |

PHOTO



Site Name: WC047R
 Site Type: RELEVE
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 312431.59E 7616248.36N
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 10-20%
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: 2-5 years

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*
 Mid Stratum 1: *Acacia arida*, *Euphorbia tannensis* subsp. *eremophila*, *Tribulus platypterus*
 Mid Stratum 2: *Arivela viscosa*, *Corchorus* aff. *incanus* (potentially undescribed), *Heliotropium* aff. *argyreum* (potentially undescribed)
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | | | 3 |
| * <i>Aerva javanica</i> | 0.4 | | |
| <i>Arivela viscosa</i> | 0.5 | | 1 |
| <i>Boerhavia</i> ? <i>coccinea</i> | 0.2 | | |
| <i>Bonamia pilbarensis</i> | | | |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | 50 | 2 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 9 | | |
| <i>Euphorbia careyi</i> | 0.6 | | |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1.1 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1 | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 1 |
| <i>Ptilotus clementii</i> | 0.5 | | |
| <i>Sporobolus australasicus</i> | | | |
| <i>Tribulus platypterus</i> | 1.5 | | 1 |

| | | | |
|--|-----|--|---|
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | | | |
| <i>Triodia wiseana</i> | 0.3 | | 5 |
| <i>Triumfetta propinqua</i> | | | |

PHOTO



Site Name: WC048
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 312895.24E 7616030.05N
 Community: HG2
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: Siliconised Dolomite (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: siliconised dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >10
 Habitat: Hummock grassland with isolated/clumps of tall shrubs
 Comments: Opportunistic species associated with drainage lines from the summit

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2.5 | | 0.5 |
| <i>Acacia hilliana</i> | | | |
| * <i>Aerva javanica</i> | 0.8 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.01 |
| <i>Eragrostis desertorum</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.2 | | 1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.8 | | 0.5 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.01 |
| <i>Ptilotus axillaris</i> | 0.01 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.03 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.05 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | | 0.02 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.2 | | 0.01 |
| <i>Senna sericea</i> | 1.2 | | 0.02 |

| | | | |
|---|------|--|------|
| <i>Solanum phlomoides</i> | 0.6 | | 0.05 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.01 |
| <i>Stackhousia muricata</i> | 0.15 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.05 | | 0.01 |
| <i>Tribulus minutus</i> (P1) | 0.1 | | 0.01 |
| <i>Triodia wiseana</i> | 0.8 | | 50 |

PHOTO



Site Name: WC049
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 312775.25E 7615710.07N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: <5
 Habitat: Sparse shrubland over open low shrubland over open hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.4 | | 2 |
| <i>Acacia bivenosa</i> | | | |
| * <i>Aerva javanica</i> | 0.9 | | 0.05 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.9 | | 5 |
| <i>Dysphania rhadinostachya</i> | 0.04 | | 0.01 |
| <i>Dysphania sphaerosperma</i> | 0.03 | | 0.01 |
| <i>Eragrostis desertorum</i> | 0.5 | | 0.05 |
| <i>Eriachne obtusa</i> | 0.3 | | 0.01 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.04 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1.2 | | 0.2 |
| <i>Goodenia muelleriana</i> | 0.4 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | | 5 |
| <i>Heliotropium crispatum</i> | | | |

| | | |
|--|------|------|
| <i>Heliotropium cunninghamii</i> | 0.2 | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.5 | 0.05 |
| <i>Indigofera monophylla</i> | 0.7 | 1 |
| <i>Petalostylis labicheoides</i> | 1.3 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.05 | 0.01 |
| <i>Portulaca decipiens</i> | 0.4 | 8 |
| <i>Portulaca oleracea</i> | 0.04 | 0.01 |
| <i>Ptilotus axillaris</i> | 0.2 | 10 |
| <i>Ptilotus clementii</i> | 0.6 | 0.5 |
| <i>Ptilotus exaltatus</i> | 0.9 | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.7 | 0.03 |
| <i>Senna notabilis</i> | 0.4 | 0.03 |
| <i>Solanum phlomoides</i> | 0.8 | 0.02 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.05 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 0.02 |
| <i>Tribulus platypterus</i> | 1.5 | 0.04 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.02 |
| <i>Triodia wiseana</i> | 0.3 | 12 |
| <i>Triumfetta propinqua</i> | 0.9 | 0.03 |

PHOTO



Site Name: WC050
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 312149.95E 7614535.77N
 Community: HG7
 Landform Type: Other, low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: Calcrete (other), <2% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Limestone, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5
 Comments: Low rise with narrow flow lines

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> aff. <i>hannii</i> (potentially undescribed) | 1.8 | 1 | 0.2 |
| <i>Abutilon lepidum</i> | 2.2 | | 0.1 |
| <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) | 2.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.6 | | 0.1 |
| <i>Acacia robeorum</i> | 0.2 | | 0.01 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 3 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.5 |
| <i>Corymbia hamersleyana</i> | 5 | | 1.5 |
| <i>Dolichocarpa crouchiana</i> | 0.15 | | 0.01 |
| <i>Dysphania sphaerosperma</i> | 0.07 | | 0.03 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.02 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.03 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.03 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 2 |
| <i>Heliotropium chrysocarpum</i> | 0.25 | | 0.5 |
| <i>Heliotropium crispatum</i> | 0.25 | | 0.05 |

| | | |
|--|------|------|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.6 | 1 |
| <i>Indigofera monophylla</i> | 0.7 | 1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.02 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.2 |
| <i>Paspalidium tabulatum</i> | 0.35 | 0.01 |
| <i>Petalostylis labicheoides</i> | 2 | 9 |
| <i>Polygala glaucifolia</i> | 0.05 | 0.01 |
| <i>Polymeria mollis</i> | 0.1 | 3 |
| <i>Ptilotus axillaris</i> | 0.2 | 2 |
| <i>Ptilotus clementii</i> | 0.2 | 5 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.01 |
| <i>Rhynchosia minima</i> | 0.2 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | 4 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 1 |
| <i>Sida fibulifera</i> | 0.2 | 0.5 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 1.5 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.01 |
| <i>Stackhousia muricata</i> | 0.2 | 0.01 |
| <i>Streptoglossa decurrens</i> | 0.1 | 0.01 |
| <i>Tribulus hirsutus</i> | 0.15 | 0.03 |
| <i>Trichodesma zeylanicum</i> | 0.8 | 0.05 |
| <i>Triodia wiseana</i> | 0.3 | 12 |

PHOTO



Site Name: WC051
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 312338.22E 7614380.05N
 Community: HG7
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Limestone, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5
 Comments: Washout slope

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.3 | | 0.5 |
| <i>Acacia robeorum</i> | 0.2 | | 0.05 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.03 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.2 | | 0.01 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.01 |
| <i>Goodenia microptera</i> | 0.2 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.01 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.15 | | 0.02 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 1.5 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.03 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.05 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.02 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.02 |
| <i>Pluchea tetranthera</i> | 0.6 | | 0.02 |
| <i>Polygala glaucifolia</i> | 0.05 | | 0.01 |
| <i>Ptilotus axillaris</i> | 0.1 | | 2 |
| <i>Ptilotus clementii</i> | 0.8 | | 3 |
| <i>Roepera iodocarpa</i> | 0.15 | | 0.01 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 5 |

| | | | |
|--|------|--|------|
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.02 |
| <i>Senna symonii</i> | 0.5 | | 0.02 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.05 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.05 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.03 |
| <i>Stackhousia muricata</i> | 0.15 | | 0.02 |
| <i>Tribulus hirsutus</i> | 0.15 | | 0.01 |
| <i>Tribulus platypterus</i> | 0.3 | | 0.01 |
| <i>Triodia wiseana</i> | 0.25 | | 15 |

PHOTO



Site Name: WC052
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 312787.43E 7614918.68N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clayey Sand
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds
 Fire: <5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 2: *Boerhavia coccinea*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 1.4 | | 0.02 |
| <i>Acacia arida</i> | 0.4 | | 0.5 |
| * <i>Aerva javanica</i> | 1.1 | | 5 |
| <i>Arivela viscosa</i> | 0.7 | | 3 |
| <i>Boerhavia coccinea</i> | 0.3 | | 15 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.05 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.7 | 30 | 5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.01 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.01 |
| <i>Enneapogon caerulescens</i> | 0.15 | | 0.01 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1.1 | | 0.05 |
| <i>Goodenia muelleriana</i> | 0.15 | | 0.01 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 3 | | 1 |
| <i>Indigofera colutea</i> | 0.15 | | 0.03 |
| <i>Portulaca decipiens</i> | 0.3 | | 1 |
| <i>Rhynchosia minima</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.5 |

| | | | |
|--|-----|--|------|
| <i>Tephrosia densa</i> | 0.3 | | 0.01 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.2 | | 2 |
| <i>Triodia wiseana</i> | 0.3 | | 12 |
| <i>Triumfetta propinqua</i> | 1.1 | | 1 |

PHOTO



Site Name: WC053
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 312357.69E 7615128.74N
 Community: W2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Comments: Major flowline

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 1.2 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 8 |
| <i>Acacia trachycarpa</i> | 3.5 | | 2 |
| * <i>Aerva javanica</i> | 0.8 | | 2.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.02 |
| <i>Amaranthus undulatus</i> | 1.1 | | 0.05 |
| <i>Ammannia baccifera</i> | 0.2 | | 0.01 |
| ? <i>Amphipogon sericeus</i> | 0.1 | | 0.01 |
| <i>Arivela viscosa</i> | 0.5 | | 0.4 |
| <i>Atalaya hemiglauca</i> | 4 | | 1 |
| <i>Boerhavia</i> ? <i>coccinea</i> | 0.4 | | 1.2 |
| <i>Bulbostylis barbata</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.5 |
| * <i>Citrullus amarus</i> | | | 0.01 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.8 | 20 | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.02 |
| <i>Corchorus tridens</i> | 0.1 | | 0.01 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Cullen leucanthum</i> | 0.1 | | 0.01 |

| | | |
|---|-----|------|
| <i>Cymbopogon ambiguus</i> | 0.5 | 1 |
| <i>Cynanchum floribundum</i> | 0.2 | 0.01 |
| <i>Cyperus vaginatus</i> | 0.8 | 0.02 |
| <i>Eragrostis tenellula</i> | 0.4 | 0.08 |
| <i>Eriachne benthamii</i> | 0.9 | 60 |
| <i>Eucalyptus victrix</i> | 12 | 6 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.02 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 1.2 | 0.1 |
| <i>Ipomoea muelleri</i> | 0.1 | 0.01 |
| <i>Marsilea hirsuta</i> | | |
| <i>Najas tenuifolia</i> | | |
| <i>Notoleptopus decaisnei</i> | 0.5 | 0.2 |
| <i>Petalostylis labicheoides</i> | 0.4 | 0.02 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | 0.5 |
| <i>Pluchea dentex</i> | 0.4 | 0.01 |
| <i>Pluchea rubelliflora</i> | 0.2 | 0.01 |
| <i>Rhynchosia minima</i> | | 0.02 |
| <i>Sesbania cannabina</i> | 1.3 | 0.05 |
| <i>Solanum diversiflorum</i> | 0.6 | 0.01 |
| <i>Solanum horridum</i> | 0.7 | 0.05 |
| <i>Solanum phlomoides</i> | | |
| <i>Streptoglossa decurrens</i> | 0.3 | 0.01 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.8 | 0.02 |
| <i>Triodia longiceps</i> | 0.5 | 0.5 |
| <i>Waltheria indica</i> | 0.5 | 0.05 |

PHOTO



Site Name: WC054
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 315234.01E 7610334.01N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: <5
 Habitat: Low open shrubland over open dwarf shrubland over hummock grassland - would typically have taller *Grevillea* and *Acacia*, however area is recently burnt

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.4 | | 0.2 |
| <i>Acacia bivenosa</i> | 0.6 | | 0.05 |
| <i>Acacia robeorum</i> | 0.15 | | 0.01 |
| * <i>Aerva javanica</i> | 1.1 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.05 |
| <i>Arivela viscosa</i> | 0.5 | | 0.5 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.01 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.02 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1.3 | | 3 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.05 |
| <i>Goodenia microptera</i> | 0 | | 0.01 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 1 |
| <i>Gossypium australe</i> | 0.8 | | 0.02 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | | 0.5 |

| | | |
|---|-------|------|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | |
| <i>Heliotropium chrysocarpum</i> | 0.3 | 0.01 |
| <i>Heliotropium crispatum</i> | 0.25 | 0.05 |
| <i>Heliotropium cunninghamii</i> | 0.12 | 0.02 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.02 |
| <i>Hibiscus leptocladus</i> | 0.2 | 0.01 |
| <i>Indigofera monophylla</i> | 0.5 | 0.05 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.02 |
| <i>Polycarpaea holtzei</i> | 0.005 | 0.01 |
| <i>Ptilotus auriculifolius</i> | 0.3 | 0.03 |
| <i>Ptilotus calostachyus</i> | 0.7 | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | 2 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.5 |
| <i>Ptilotus fusiformis</i> | 0.5 | 0.01 |
| <i>Ptilotus obovatus</i> | 0.2 | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.2 | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.3 | 0.05 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.2 | 0.01 |
| <i>Senna notabilis</i> | 0.2 | 0.03 |
| <i>Senna symonii</i> | 0.15 | 0.01 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum gabrielae</i> | 0.3 | 0.01 |
| <i>Solanum phlomoides</i> | 0.2 | 0.05 |
| <i>Sporobolus australasicus</i> | 0.12 | 0.05 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.02 |
| <i>Tribulus hirsutus</i> | 0.15 | 0.5 |
| <i>Trigastrotheca molluginea</i> | 0.15 | 0.01 |
| <i>Triodia scintillans</i> | 0.2 | 2 |
| <i>Triodia wiseana</i> | 0.2 | 12 |
| <i>Triumfetta propinqua</i> | 0.8 | 0.2 |

PHOTO



Site Name: WC055
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 314895.79E 7610279.85N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert/Silica, Dolomite (Brown Limestone) (other), 10-20% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert/silica (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5
 Habitat: Low sparse shrubland over open hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.9 | | 0.01 |
| <i>Acacia arida</i> | 0.3 | | 0.7 |
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia ptychophylla</i> | 0.3 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.02 |
| <i>Corymbia hamersleyana</i> | 3 | | 0.5 |
| <i>Cymbopogon ambiguus</i> | 0.9 | | 0.02 |
| <i>Dampiera candidans</i> | 0.5 | | 0.05 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.05 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.04 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | | 2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.02 |
| <i>Isotropis atropurpurea</i> | 0.25 | | 0.1 |

| | | | |
|---|------|--|------|
| <i>Ptilotus auriculifolius</i> | 0.2 | | 0.03 |
| <i>Ptilotus axillaris</i> | 0.2 | | 0.5 |
| <i>Ptilotus calostachyus</i> | 1.2 | | 15 |
| <i>Ptilotus clementii</i> | 0.4 | | 1 |
| <i>Ptilotus exaltatus</i> | 0.6 | | 0.02 |
| <i>Senna notabilis</i> | 0.4 | | 0.05 |
| <i>Solanum gabrielae</i> | | | |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.02 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.4 |
| <i>Triodia scintillans</i> | 0.15 | | 15 |
| <i>Triodia wiseana</i> | 0.15 | | 2 |
| <i>Triumfetta propinqua</i> | 0.15 | | 0.01 |
| <i>Waltheria virgata</i> | 0.4 | | 0.5 |

PHOTO



Site Name: WC056R
 Site Type: RELEVE
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 315148.13E 7609912.57N
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert/Silica (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert/silica (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia ptychophylla</i> | | | |
| <i>Anthobolus leptomerioides</i> | | | |
| <i>Arivela viscosa</i> | | | |
| <i>Bonamia pilbarensis</i> | | | |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | | | |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | | | |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Cymbopogon ambiguus</i> | | | |
| <i>Goodenia stobbsiana</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | | | |
| <i>Polycarpaea holtzei</i> | | | |
| <i>Polygala glaucifolia</i> | | | |
| <i>Ptilotus clementii</i> | | | |
| <i>Ptilotus exaltatus</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | | | |
| <i>Solanum gabrielae</i> | | | |
| <i>Solanum horridum</i> | | | |
| <i>Solanum phlomoides</i> | | | |
| <i>Trichodesma zeylanicum</i> | | | |
| <i>Trigastrotheca molluginea</i> | | | |
| <i>Triodia wiseana</i> | | | |

PHOTO



Site Name: WC057
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 314150.5E 7609434.33N
 Community: HG7
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Limestone, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Tall open shrubland over open hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.7 | | 0.5 |
| <i>Acacia bivenosa</i> | 2.5 | | 1 |
| <i>Acacia robeorum</i> | 2 | | 2 |
| * <i>Aerva javanica</i> | 0.2 | | 0.02 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.02 |
| <i>Arivela viscosa</i> | 0.5 | | 0.05 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.05 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 0.3 | | 0.02 |
| <i>Carissa lanceolata</i> | 0.4 | | 0.02 |
| * <i>Cenchrus ciliaris</i> | | | |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.3 |
| <i>Corchorus tridens</i> | 0.1 | | 0.01 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Cucumis variabilis</i> | | | 0.2 |
| <i>Cynanchum floribundum</i> | 0.15 | | 0.01 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.05 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.2 | | 0.02 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | | | |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.02 |

| | | |
|--|------|------|
| <i>Goodenia muelleriana</i> | 0.2 | 0.01 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 1.5 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.2 | 0.01 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.4 | 0.04 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.03 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | 0.02 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.02 |
| <i>Pterocaulon sphacelatum</i> | 0.02 | 0.01 |
| <i>Ptilotus clementii</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.05 | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | 0.02 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.07 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.5 |
| <i>Stackhousia muricata</i> | 0.1 | 0.01 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.2 |
| <i>Trichodesma zeylanicum</i> | | |
| <i>Triodia longiceps</i> | 0.9 | 12 |
| <i>Triodia wiseana</i> | 0.6 | 25 |

PHOTO



Site Name: WC058
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 314876.87E 7609195.65N
 Community: HG11
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Mining - near an old dewatering point (approx. 100 m)
 Fire: <5
 Habitat: Sparse Acacia shrubland over hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

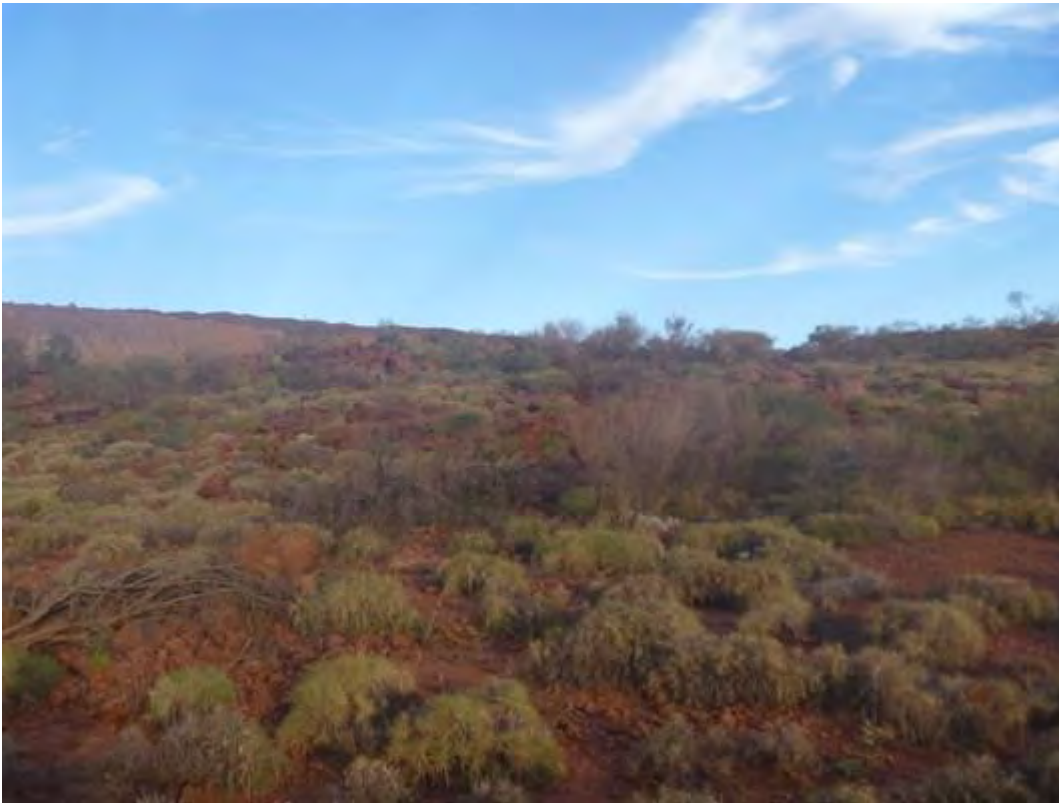
Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.8 | | 1.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.01 |
| <i>Amaranthus undulatus</i> | 0.8 | | 1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Boerhavia ?coccinea</i> | 0.1 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.01 |
| <i>Calytrix carinata</i> | 1.2 | | 0.02 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.05 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.8 | | 0.05 |
| <i>Cynanchum floribundum</i> | | | 5 |
| <i>Dampiera candicans</i> | 0.4 | | 0.03 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.25 | | 0.02 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1.8 | | 1 |

| | | |
|--|------|------|
| <i>Eriachne mucronata</i> | 0.5 | 0.02 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.15 | 0.02 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | 0.05 |
| <i>Gomphrena cunninghamii</i> | 0.3 | 1.5 |
| <i>Goodenia stobbsiana</i> | 0.4 | 2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.2 | 2 |
| <i>Nicotiana benthamiana</i> | 0.4 | 0.01 |
| <i>Paspalidium clementii</i> | 0.2 | 1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | 0.02 |
| <i>Polycarpaea holtzei</i> | 0.05 | 0.02 |
| <i>Pterocaulon sphacelatum</i> | 0.05 | 0.01 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.01 |
| <i>Ptilotus auriculifolius</i> | 0.6 | 0.05 |
| <i>Ptilotus calostachyus</i> | 0.8 | 0.5 |
| <i>Ptilotus exaltatus</i> | 0.8 | 0.2 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | 0.5 |
| <i>Senna symonii</i> | 0.8 | 0.02 |
| <i>Seringia nephrosperma</i> | | |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.8 | 0.2 |
| <i>Solanum gabrielae</i> | 0.6 | 1 |
| <i>Solanum horridum</i> | 0.3 | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.04 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.3 | 0.01 |
| <i>Tribulus suberosus</i> | 1.6 | 0.5 |
| <i>Trigastrotheca molluginea</i> | 0.4 | 0.05 |
| <i>Triodia epactia</i> | 0.4 | 2 |
| <i>Triodia scintillans</i> | 0.3 | 25 |
| <i>Triumfetta maconochieana</i> | 0.5 | 5 |

PHOTO



Site Name: WC059
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317520.98E 7611978.78N
 Community: HG8
 Landform Type: Other, floodplain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Tall sparse shrubland over open hummock grassland over sparse low shrubland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 4 | | 2 |
| * <i>Aerva javanica</i> | 0.7 | | 4 |
| <i>Atalaya hemiglauca</i> | 3 | | 2 |
| <i>Boerhavia ?coccinea</i> | 0.25 | | 0.1 |
| <i>Bonamia media</i> | 0.1 | | 0.02 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 5 |
| * <i>Citrullus amarus</i> | 0.2 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Crotalaria ramosissima</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.5 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.01 |
| <i>Gossypium australe</i> | 1.1 | | 0.02 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | | 3 |
| <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> | 0.3 | | 0.02 |
| <i>Senna notabilis</i> | 0.2 | | 0.2 |
| <i>Sida fibulifera</i> | 0.3 | | 0.05 |

| | | | |
|---|------|--|------|
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.25 | | 0.01 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.02 |
| <i>Trianthema pilosum</i> | 0.2 | | 2 |
| <i>Triodia epactia</i> | 0.6 | | 25 |

PHOTO



Site Name: WC060
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317603.07E 7612174.49N
 Community: HG5
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10 years

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 1.5 | | 1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.05 |
| * <i>Citrullus amarus</i> | | | 0.01 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.01 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.3 | | 0.05 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.05 | | 0.01 |
| <i>Goodenia microptera</i> | 0.4 | | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | | 0.02 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.01 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.01 |
| <i>Ptilotus auriculifolius</i> | 0.7 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.2 | | 0.02 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.02 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.05 |
| <i>Sclerolaena densiflora</i> | 0.05 | | 0.01 |

| | | | |
|---------------------------------|-----|--|------|
| <i>Senna notabilis</i> | 0.3 | | 0.05 |
| <i>Sida echinocarpa</i> | 0.2 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.4 | | 0.3 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.03 |
| <i>Triodia epactia</i> | 0.4 | | 0.01 |
| <i>Triodia longiceps</i> | 0.9 | | 20 |
| <i>Triodia wiseana</i> | 0.3 | | 0.5 |

PHOTO



Site Name: WC061
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317607.41E 7611891.51N
 Community: HG8
 Landform Type: Other, floodplain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sand
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Habitat: Tall open shrubland over open shrubland over tussock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.25 | | 0.01 |
| <i>Acacia inaequilatera</i> | 4 | | 1 |
| <i>Acacia trachycarpa</i> | 2.5 | | 6 |
| * <i>Aerva javanica</i> | 0.9 | | 2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.02 |
| <i>Atalaya hemiglauca</i> | 5 | | 2 |
| <i>Boerhavia ?coccinea</i> | 0.2 | | 4 |
| <i>Bonamia media</i> | 0.1 | | 0.05 |
| * <i>Calotropis procera</i> | 0.6 | | 0.02 |
| <i>Carissa lanceolata</i> | 1.8 | | 8 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 30 |
| * <i>Citrullus amarus</i> | 0.15 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.01 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.02 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.01 |
| <i>Crotalaria ramosissima</i> | 0.3 | | 1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.02 |
| <i>Gossypium australe</i> | 1.6 | | 1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 5 | | 5 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.15 | | 0.01 |

| | | |
|--|------|------|
| <i>Ipomoea muelleri</i> | 0.2 | 2 |
| <i>Petalostylis labicheoides</i> | 1.7 | 5 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | 0.05 |
| <i>Senna notabilis</i> | 0.4 | 0.2 |
| <i>Sida fibulifera</i> | 0.3 | 0.2 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.3 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.02 |
| <i>Trianthema pilosum</i> | 0.2 | 4 |
| <i>Trianthema triquetrum</i> | 0.15 | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | 0.01 |
| <i>Triodia epactia</i> | 0.4 | 5 |
| <i>Triodia longiceps</i> | 0.8 | 0.5 |

PHOTO



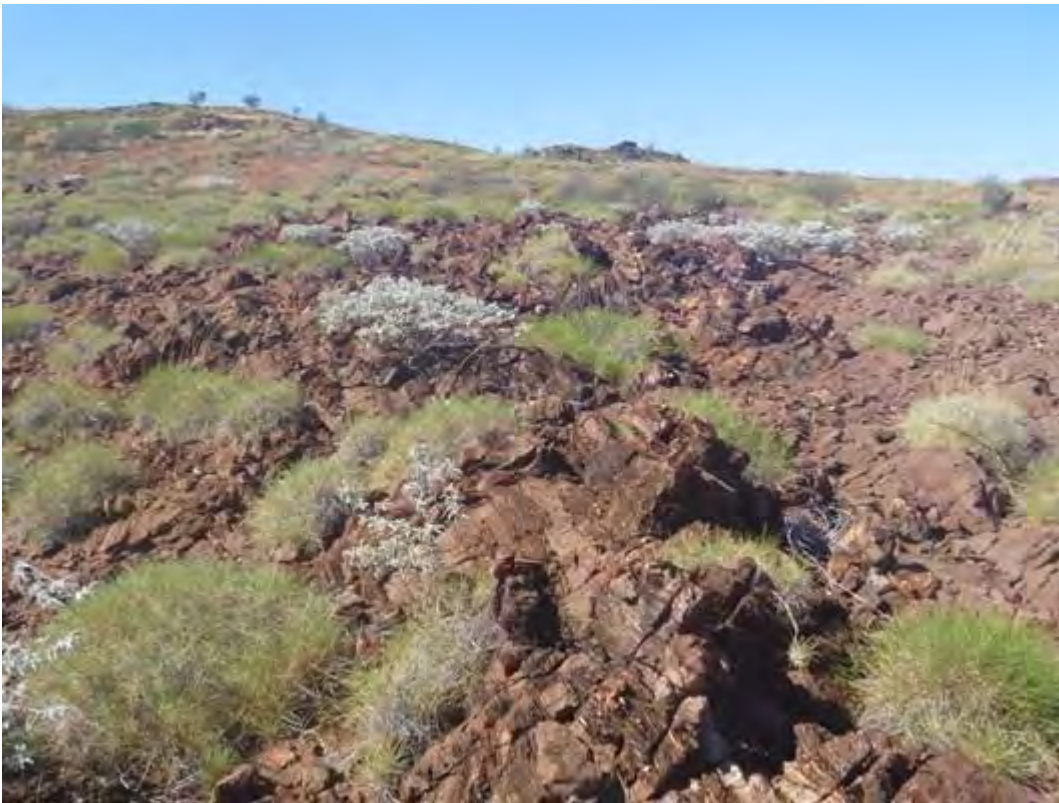
Site Name: WC062
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317729.27E 7611757.24N
 Community: HG12
 Landform Type: Other, rocky (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Mining - old and more recent tracks
 Fire: >10
 Habitat: Sparse low shrubland over tussock grassland
 Comments: Looks like a very old exploration area, extensive rehab with mature plants

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.4 | | 4 |
| <i>Acacia bivenosa</i> | 1.3 | | 1 |
| <i>Acacia robeorum</i> | 1.2 | | 2 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.5 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 1 | 4 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.05 | | 0.01 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.05 | | 0.01 |
| <i>Polycarpha holtzei</i> | 0.05 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.5 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Senna symonii</i> | 0.3 | | 0.02 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.7 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.15 | | 0.5 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |

| | | | |
|----------------------------------|------|--|------|
| <i>Trigastrotheca molluginea</i> | 0.15 | | 0.02 |
| <i>Triodia longiceps</i> | 0.6 | | 2 |
| <i>Triodia scintillans</i> | 0.4 | | 5 |
| <i>Triodia wiseana</i> | 0.4 | | 15 |
| <i>Waltheria virgata</i> | 0.6 | | 10 |

PHOTO



Site Name: WC063
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317401.8E 7612461.22N
 Community: HG5
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: <10
 Habitat: Open tussock grassland with emergent shrubs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | | | |
| <i>Acacia robeorum</i> | 1.2 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.15 | | 0.01 |
| <i>Bulbostylis barbata</i> | 0.1 | | 1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.9 | | 0.01 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.5 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.01 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.5 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.3 | | 0.02 |
| <i>Goodenia muelleriana</i> | 0.5 | | 0.01 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | | 1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.05 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.03 |
| <i>Ptilotus fusiformis</i> | 0.4 | | 0.01 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.2 | | 0.03 |

| | | | |
|---------------------------------|-----|--|------|
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.4 | | 1.5 |
| <i>Triodia epactia</i> | 0.4 | | 1 |
| <i>Triodia longiceps</i> | 0.8 | | 10 |
| <i>Triodia scintillans</i> | 0.4 | | 6 |

PHOTO

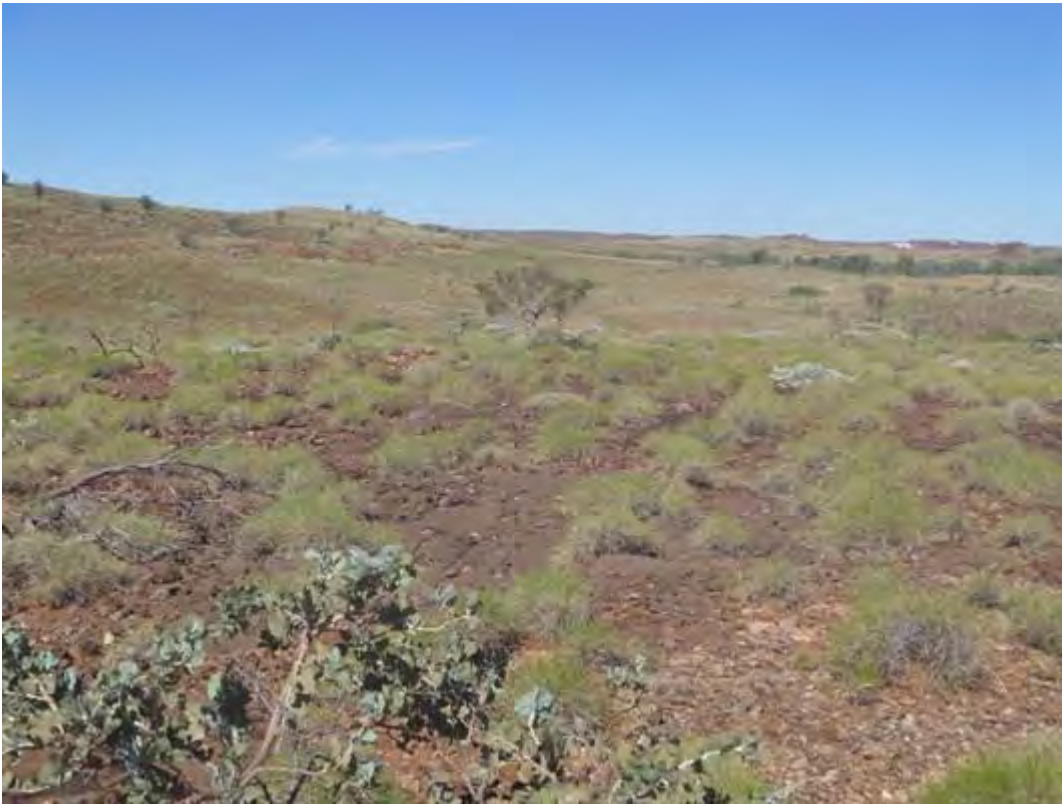


Site Name: WC064
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317673.64E 7612683.11N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 1.1 | | 1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.06 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 2 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 7 | | 1 |
| <i>Corymbia hamersleyana</i> | 1.5 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.01 |
| <i>Eragrostis desertorum</i> | 0.2 | | 0.01 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | | 0.5 |
| <i>Polycarpaea holtzei</i> | 0.05 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | | | |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.5 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | | 1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.01 |
| <i>Triodia longiceps</i> | | | |
| <i>Triodia scintillans</i> | 0.4 | | 0.5 |
| <i>Triodia wiseana</i> | 0.5 | | 25 |

PHOTO



Site Name: WC065
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317800.6E 7612767.93N
 Community: W1
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | | | |
| <i>Acacia acradenia</i> | 2 | | 2 |
| <i>Acacia bivenosa</i> | 2 | | 1 |
| <i>Acacia monticola</i> | 3 | | 4 |
| <i>Acacia ptychophylla</i> | 0.6 | | 0.5 |
| <i>Acacia trachycarpa</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 1.2 | | 3 |
| <i>Arivela viscosa</i> | 0.4 | | 0.02 |
| <i>Atalaya hemiglauca</i> | 2.5 | | 1 |
| <i>Boerhavia ?coccinea</i> | 0.2 | | 2 |
| <i>Bonamia media</i> | 0.2 | | 1 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.25 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 1 |
| <i>Chrysopogon fallax</i> | 2 | | 2 |
| * <i>Citrullus amarus</i> | 0.2 | | 0.1 |

| | | |
|--|------|------|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | 0.5 |
| <i>Cymbopogon ambiguus</i> | 0.9 | 0.5 |
| <i>Cynodon convergens</i> | 0.2 | 0.5 |
| <i>Eriachne mucronata</i> | 0.4 | 1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | 0.01 |
| <i>Gossypium australe</i> | 2.5 | 1.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.6 | 0.05 |
| <i>Indigofera monophylla</i> | 0.7 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.01 |
| <i>Paraneurachne muelleri</i> | 0.5 | 4 |
| <i>Petalostylis labicheoides</i> | 2.5 | 5 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | 0.01 |
| <i>Pluchea tetranthera</i> | 0.2 | 0.05 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.05 |
| <i>Polycarpaea holtzei</i> | 0.05 | 0.01 |
| <i>Polycarpaea longiflora</i> | 0.25 | 1 |
| <i>Sida echinocarpa</i> | | |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.6 | 0.02 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1 | 12 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.5 |
| <i>Triodia epactia</i> | 15 | 25 |
| <i>Triodia longiceps</i> | 0.9 | 7 |
| <i>Triumfetta chaetocarpa</i> | 0.3 | 0.05 |
| <i>Triumfetta maconochieana</i> | 0.5 | 0.02 |
| <i>Waltheria virgata</i> | | |

PHOTO



Site Name: WC066
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317917.44E 7612592.63N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolerite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Sparse low shrubland over hummock grassland with isolated trees

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera, Indigofera monophylla*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 1.8 | | 1 |
| <i>Acacia inaequilatera</i> | 3 | | 2 |
| * <i>Aerva javanica</i> | 0.3 | | 0.01 |
| <i>Aristida contorta</i> | 0.3 | | 1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.05 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.5 |
| <i>Bulbostylis barbata</i> | 0.1 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 3 |
| <i>Cucumis variabilis</i> | | | 0.02 |
| <i>Cymbopogon ambiguus</i> | 1.1 | | 0.05 |
| <i>Cynanchum floribundum</i> | 0.05 | | 0.01 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.15 | | 0.05 |
| <i>Enneapogon caerulescens</i> | 0.25 | | 0.05 |

| | | |
|--|------|------|
| <i>Eriachne mucronata</i> | 0.3 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | 0.5 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.3 |
| <i>Gossypium australe</i> | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 1 |
| <i>Indigofera monophylla</i> | 0.8 | 12 |
| <i>Polycarpaea holtzei</i> | 0.05 | 0.05 |
| <i>Pterocaulon sphacelatum</i> | 0.01 | 0.02 |
| <i>Ptilotus clementii</i> | 0.4 | 0.02 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.9 | 0.5 |
| <i>Solanum horridum</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.15 | 2 |
| <i>Tribulus suberosus</i> | 1.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.01 |
| <i>Triodia epactia</i> | 0.4 | 5 |
| <i>Triodia scintillans</i> | 0.4 | 30 |

PHOTO



Site Name: WD001
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/03/2021
 GPS Location: GDA94 Zone 51 317228.64E 7597825.75N
 Community: TG1
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Tall sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.6 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.6 | | 0.3 |
| <i>Acacia robeorum</i> | 1.5 | | 0.5 |
| <i>Acacia synchronicia</i> | 2.5 | | 5 |
| <i>Acacia trachycarpa</i> | 0.7 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 5 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Gossypium australe</i> | 0.6 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.6 | 5 |
| <i>Triodia epactia</i> | 0.4 | 10 |
| <i>Triodia wiseana</i> | 0.4 | 17 |

PHOTO



Site Name: WD002
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 317268.03E 7591166.23N
 Community: HG12
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Calcrete, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >5
 Habitat: Mid open shrubland over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

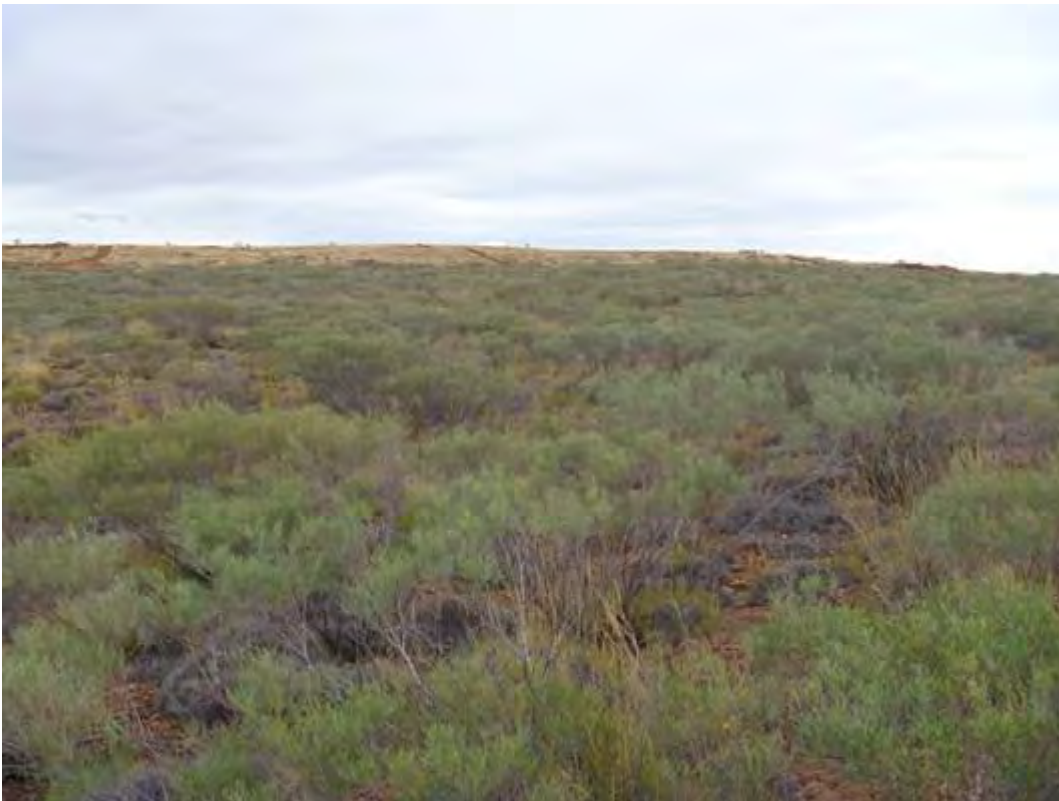
Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 15 |
| * <i>Aerva javanica</i> | 0.8 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 100 | 0.2 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.5 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |

PHOTO



Site Name: WD003
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 317400.85E 7591029.11N
 Community: S2
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Low isolated trees over tall sparse shrubland over low tussock grassland
 (**Cenchrus ciliaris*)

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia pyrifolia* var. *pyrifolia*
 Mid Stratum 2: *Gossypium robinsonii*, *Petalostylis labicheoides*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.8 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.5 | | 6 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.5 | | 0.2 |
| <i>Bothriochloa ewartiana</i> | 1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 85 |
| <i>Chrysopogon fallax</i> | 0.6 | | 0.3 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | | 100 | |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 8 | | 4 |

| | | | |
|--|-----|--|-----|
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.4 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Eremophila longifolia</i> | 1.2 | | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.4 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 0.6 | | 0.1 |
| <i>Gossypium robinsonii</i> | 3 | | 3 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.2 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.2 | | 0.1 |
| * <i>Malvastrum americanum</i> | 0.1 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Operculina aequisejala</i> | | | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.5 | | 2 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.2 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1 | | 0.3 |
| <i>Themeda triandra</i> | 0.8 | | 0.2 |
| <i>Triumfetta johnstonii</i> | 0.6 | | 0.1 |
| * <i>Vachellia farnesiana</i> | 1.5 | | 0.1 |

PHOTO



Site Name: WD004
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 318225.97E 7591497.86N
 Community: HG3
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Tall sparse shrubland over sparse tussock/hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: *Triodia wiseana*
 Lower Stratum 2: **Cenchrus ciliaris*, *Eragrostis xerophila*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.1 |
| <i>Acacia synchronicia</i> | 2 | | 2 |
| <i>Aristida contorta</i> | 0.3 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.5 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.2 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.2 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | | 2 |
| <i>Eremophila forrestii</i> subsp. <i>forrestii</i> | | | |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.2 | | 0.1 |
| <i>Rhagodia eremaea</i> | | | |
| <i>Sclerolaena densiflora</i> | 0.4 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.2 |
| <i>Triodia wiseana</i> | 0.4 | | 3 |
| <i>Tripogonella loliiformis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WD005
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 318947.14E 7591030.34N
 Community: HG10
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5
 Habitat: Tall sparse shrubland over low sparse shrubland over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*
 Mid Stratum 1: *Acacia arida*
 Mid Stratum 2: *Senna glutinosa* subsp. *pruinosa*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia arida</i> | 1 | | 1 |
| <i>Acacia inaequilatera</i> | 2 | | 0.6 |
| <i>Bonamia pilbarensis</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.5 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | | | |
| <i>Eriachne aristidea</i> | 0.2 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Indigofera monophylla</i> | 0.6 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.3 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Triodia brizoides</i> | 0.3 | | 10 |
| <i>Triodia epactia</i> | 0.4 | | 10 |

PHOTO



Site Name: WD006
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 313089.47E 7588032.91N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: metamorphose granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5
 Habitat: Tall sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia arida*
 Upper Stratum 2: *Acacia inaequilatera*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 2 |
| <i>Acacia hilliana</i> | 0.3 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.3 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| <i>Corymbia hamersleyana</i> | 3 | | 0.1 |
| <i>Eriachne lanata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.6 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | 0.3 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | 0.1 |
| <i>Heliotropium skeleton</i> | 0.2 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | 0.1 |
| <i>Solanum gabrielae</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Tribulus suberosus</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | 30 |

PHOTO



Site Name: WD007
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 313665.05E 7587894.36N
 Community: S1
 Landform Type: Other, FL-flowline (other)
 Slope Class: Level (0 degrees)
 Soil Type: Clayey Sand
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Low isolated trees over tall open shrubland over low sparse shrubland over low open mixed grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 2: *Acacia tumida* var. *pilbarensis*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1 | | 0.1 |
| <i>Acacia arida</i> | 0.5 | | 0.1 |
| <i>Acacia maitlandii</i> | 1 | | 0.2 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1 | | 0.1 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 4 | | 10 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.6 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 2 |
| <i>Aristida inaequiglumis</i> | 0.8 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.8 | | 0.1 |
| <i>Corchorus parviflorus</i> | 0.5 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Corymbia hamersleyana</i> | 6 | 1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.8 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.4 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.2 | 0.1 |
| <i>Eragrostis olida</i> | 0.2 | 0.1 |
| <i>Eragrostis tenellula</i> | 0.2 | 0.1 |
| <i>Eriachne aristidea</i> | 0.2 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.5 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.2 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.5 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.2 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.1 |
| <i>Gossypium robinsonii</i> | 3 | 1.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 4 | 4 |
| <i>Heliotropium cunninghamii</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Paspalidium clementii</i> | 0.3 | 0.1 |
| <i>Paspalidium rarum</i> | 0.2 | 0.1 |
| <i>Perotis rara</i> | 0.2 | 0.1 |
| <i>Petalostylis labicheoides</i> | 3 | 3 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Senna notabilis</i> | 0.3 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1 | 0.1 |
| <i>Tephrosia virens</i> | 1.5 | 0.1 |

| | | |
|--|-----|-----|
| <i>Themeda triandra</i> | 0.6 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.5 | 0.1 |
| <i>Tribulopsis angustifolia</i> | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 10 |
| <i>Triodia scintillans</i> | 0.3 | 3 |
| <i>Triumfetta johnstonii</i> | 1 | 1.5 |
| <i>Triumfetta maconochieana</i> | 0.3 | 0.1 |
| <i>Waltheria virgata</i> | 0.8 | 0.1 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.2 | 0 |

PHOTO

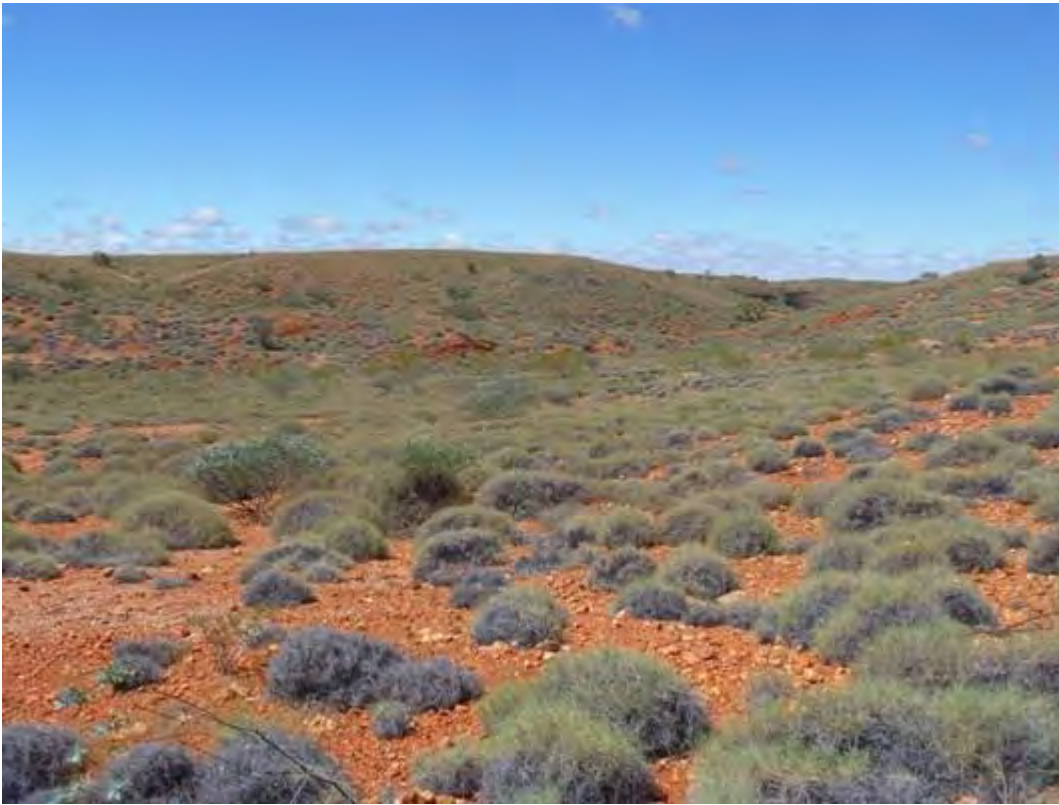


Site Name: WD008
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 314166.32E 7588610.7N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: metamorphose granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Mid sparse shrubland over low open hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.3 | | 0.1 |
| <i>Acacia robeorum</i> | 2 | | 0.5 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia brizoides</i> | 0.4 | | 24 |
| <i>Triodia scintillans</i> | 0.4 | | 1 |
| <i>Triodia wiseana</i> | 0.4 | | 3 |

PHOTO



Site Name: WD009
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 315037.74E 7588109.89N
 Community: HG12
 Landform Type: Other, low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Low isolated trees over mid sparse shrubland over low hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 4 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.4 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | | 0.3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.8 | | 2 |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna symonii</i> | 1.8 | | 0.5 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 30 |
| <i>Waltheria virgata</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WD010
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 315161.2E 7587469.38N
 Community: HG1
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Metamorphose (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: metamorphose (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5
 Habitat: Low open woodland over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Senna symonii*
 Mid Stratum 2: *Acacia robeorum*
 Lower Stratum 1: *Triodia brizoides*, *Triodia longiceps*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 6 | | 7 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Polycarphaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarphaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | | 0.1 |
| <i>Senna symonii</i> | 0.8 | | 0.5 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | | 0.1 |
| <i>Triodia brizoides</i> | 0.4 | | 15 |
| <i>Triodia longiceps</i> | 0.4 | | 3 |
| <i>Triodia scintillans</i> | 0.4 | | 9 |
| <i>Triodia wiseana</i> | 0.4 | | 3 |

PHOTO



Site Name: WD011
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 315339.9E 7587665.13N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Low open woodland over tall open shrubland over low sparse shrubland over low tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana, Eucalyptus victrix*
 Mid Stratum 1: *Acacia pyrifolia* var. *pyrifolia*, *Acacia trachycarpa*
 Mid Stratum 2: *Corchorus* aff. *incanus* (potentially undescribed), *Indigofera monophylla*, *Triumfetta johnstonii*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.8 | | 0.2 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 4.5 | | 14 |
| <i>Acacia trachycarpa</i> | 3.5 | | 6 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 4 | | 0.5 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Amaranthus undulatus</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.5 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 0.8 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 50 |

| | | | |
|--|-----|-----|-----|
| * <i>Cenchrus setiger</i> | 0.8 | | 0.1 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.8 | 100 | 3 |
| <i>Corchorus tridens</i> | 0.3 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | | | |
| <i>Corymbia hamersleyana</i> | 9 | | 3 |
| <i>Cucumis melo</i> | | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.1 |
| <i>Eucalyptus victrix</i> | 9 | | 3 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 4.5 | | 0.5 |
| <i>Indigofera monophylla</i> | 0.5 | | 2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.3 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 1 | | 0.2 |
| <i>Rhagodia eremaea</i> | 1.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.8 | | 0.2 |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | 1.2 | | 0.5 |
| <i>Triodia epactia</i> | 0.4 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 0.1 |
| <i>Triumfetta johnstonii</i> | 1.2 | | 1 |

PHOTO



Site Name: WD012
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 316326.94E 7587963.45N
 Community: S2
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Tall open shrubland over low tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia bivenosa*, *Acacia pyrifolia* var. *pyrifolia*, *Acacia trachycarpa*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 4 | | 0.1 |
| <i>Acacia bivenosa</i> | 3 | | 2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | | | |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 4 | | 2 |
| <i>Acacia trachycarpa</i> | 4 | | 5 |
| <i>Atalaya hemiglauca</i> | 1.5 | | 0.2 |
| <i>Bothriochloa ewartiana</i> | 0.6 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 58 |
| * <i>Cenchrus setiger</i> | 0.6 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.6 | | 5 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynodon convergens</i> | 0.2 | | 0.1 |
| <i>Ehretia saligna</i> var. <i>saligna</i> | | | |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 5 | | 3 |
| <i>Indigofera monophylla</i> | 2 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | 0.1 |
| * <i>Malvastrum americanum</i> | 0.3 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.3 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus obovatus</i> | 0.8 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.1 |
| <i>Themeda triandra</i> | 0.6 | 0.3 |
| <i>Triodia longiceps</i> | 0.6 | 0.2 |

PHOTO



Site Name: WD013
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 315696.45E 7590253.3N
 Community: HG11
 Landform Type: Crest
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: metamorphose granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall isolated shrubs over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*, *Hakea lorea* subsp. *lorea*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.3 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.2 | | 0.4 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | | 0.2 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 30 |

PHOTO



Site Name: WD014
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 317034.66E 7588147.11N
 Community: HG12
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: calcrete, dolomite, colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Mid sparse shrubland over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*, *Acacia robeorum*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.2 | | 3 |
| <i>Acacia robeorum</i> | 1.5 | | 5 |
| <i>Acacia synchronicia</i> | 1.8 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.2 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.3 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.4 | | 0.3 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |

PHOTO



Site Name: WD015
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 315624.35E 7589009.89N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Metamorphose Granite (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, metamorphose granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Mid sparse shrubland over low hummock grassland

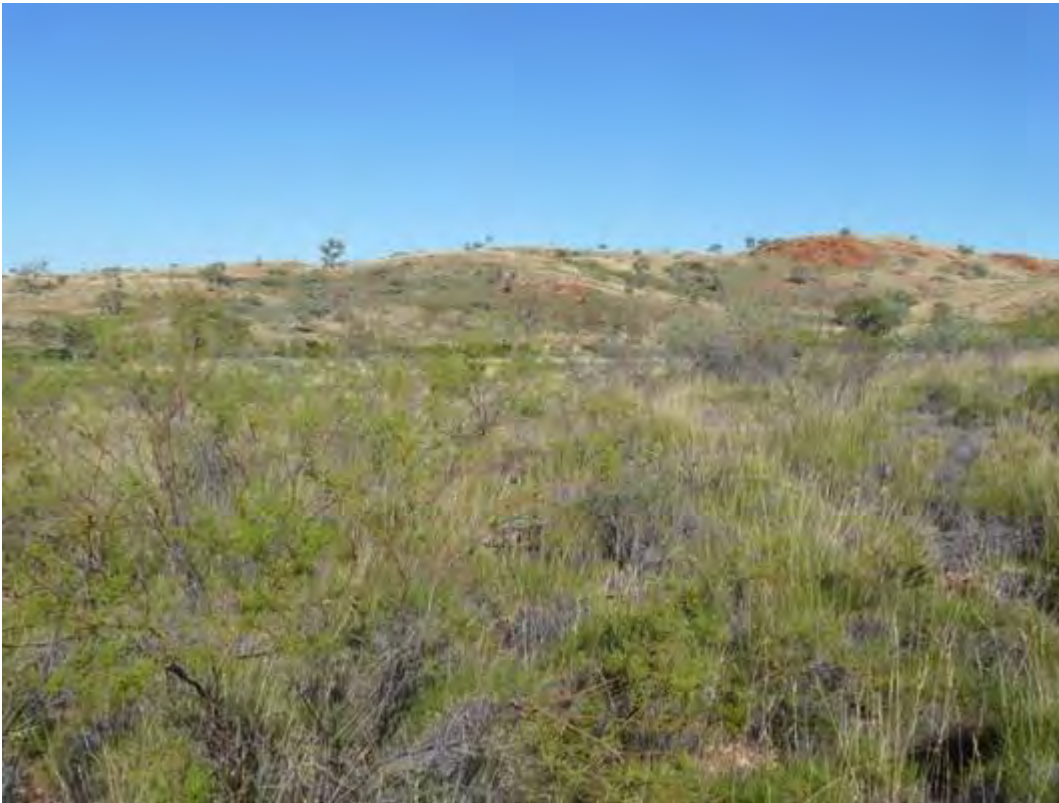
DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*, *Acacia robeorum*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.8 | | 2 |
| <i>Acacia robeorum</i> | 1.8 | | 5 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | | 0.1 |
| <i>Senna sericea</i> | 1.5 | | 0.2 |
| <i>Senna symonii</i> | 0.4 | | 0.1 |
| <i>Swainsona formosa</i> | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 30 |

PHOTO



Site Name: WD016
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 315462.35E 7589058.29N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >5
 Habitat: Low open woodland over tall open shrubland over low sparse shrubland over low mixed grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Upper Stratum 2: *Acacia ancistrocarpa*, *Acacia pyrifolia* var. *pyrifolia*, *Gossypium robinsonii*
 Mid Stratum 1: *Indigofera monophylla*
 Lower Stratum 1: *Chrysopogon fallax*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon cunninghamii</i> | 0.7 | | 2 |
| <i>Acacia acradenia</i> | 2.5 | | 2 |
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.5 | | 1 |
| <i>Acacia ancistrocarpa</i> | 2.5 | | 12 |
| <i>Acacia bivenosa</i> | 1.5 | | 0.3 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.5 | | 5 |
| <i>Acacia trachycarpa</i> | 2.5 | | 0.2 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2 | | 0.2 |
| * <i>Aerva javanica</i> | 0.6 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.5 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Aristida pruinosa</i> | 0.7 | | 0.1 |

| | | | |
|--|-----|---|-----|
| <i>Atalaya hemiglauca</i> | 2 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia erecta</i> | 0.4 | | 0.2 |
| <i>Bothriochloa ewartiana</i> | 0.8 | | 1 |
| <i>Bulbostylis barbata</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 5 |
| <i>Chrysopogon fallax</i> | 0.6 | | 15 |
| <i>Clerodendrum ?floribundum</i> | 1.2 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 1 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 7 | | 5 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 0.5 |
| <i>Digitaria brownii</i> | 0.5 | | 0.5 |
| <i>Enneapogon lindleyanus</i> | 0.5 | | 0.2 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 1 |
| <i>Eulalia aurea</i> | 0.6 | | 3 |
| <i>Euphorbia boophthona</i> | 0.3 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.4 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Gossypium robinsonii</i> | 2.5 | | 5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.5 |
| <i>Heliotropium cunninghamii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Indigofera monophylla</i> | 1 | | 7 |
| <i>Melhania oblongifolia</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 5 |
| <i>Paspalidium rarum</i> | 0.2 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.2 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.6 | | 0.2 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Santalum lanceolatum</i> | 1.5 | | 4 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.1 |
| <i>Scaevola spinescens</i> | 1 | | 2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Senna symonii</i> | 1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0 | | 0.1 |
| <i>Swainsona formosa</i> | 0.3 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | | 0.5 |
| <i>Themeda triandra</i> | 0.6 | | 2 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.2 |
| <i>Triodia longiceps</i> | 0.4 | | 0.5 |
| <i>Triodia wiseana</i> | 0.4 | | 10 |

PHOTO



Site Name: WD017
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 316041.48E 7588486.83N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Metamorphose (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: metamorphose (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Low open woodland over mid sparse shrubland over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Acacia robeorum*
 Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 0.2 |
| <i>Acacia robeorum</i> | 1.5 | | 0.3 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 7 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.2 |

| | | |
|---|-----|-----|
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.1 |
| <i>Senna symonii</i> | 0.6 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | 0.1 |
| <i>Triodia brizoides</i> | 0.3 | 5 |
| <i>Triodia epactia</i> | 0.3 | 1.5 |
| <i>Triodia longiceps</i> | 0.6 | 10 |
| <i>Triodia scintillans</i> | 0.3 | 8 |
| <i>Triodia wiseana</i> | 0.3 | 0.5 |

PHOTO



Site Name: WD018
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/03/2021
 GPS Location: GDA94 Zone 51 312326.24E 7606812.08N
 Community: HG7
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Ironstone, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Mid sparse shrubland over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.8 | | 7 |
| <i>Acacia robeorum</i> | 0.2 | | 0.1 |
| <i>Cucumis variabilis</i> | 0.1 | | 0.1 |
| <i>Cullen pogonocarpum</i> | 0.1 | | 0.1 |
| <i>Diplopeltis stuartii</i> var. <i>stuartii</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania ?plantaginella</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia clementii</i> (P3) | 0.2 | 1 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |

| | | | |
|--|------|--|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.15 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia muricata</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | 0.2 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |

PHOTO



Site Name: WD019
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/05/2021
 GPS Location: GDA94 Zone 51 317494.14E 7615184.08N
 Community: HG1
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphic (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Isolated low trees over isolated tall shrubs over low shrubs over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Acacia hilliana*, *Senna glutinosa* subsp. *pruinosa*
 Lower Stratum 2: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.3 | | 0.3 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.4 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 0.6 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | 0.4 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.6 | 0.2 |
| <i>Senna symonii</i> | 0.6 | 0.2 |
| <i>Sida echinocarpa</i> | 0.2 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 30 |

Site Name: WD020
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/05/2021
 GPS Location: GDA94 Zone 51 317128.61E 7616571.42N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: mid sparse shrubland over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Mid Stratum 2: *Corchorus* aff. *incanus* (potentially undescribed)
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 7 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 200 | 2 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 2 |
| <i>Triodia wiseana</i> | 0.4 | | 30 |
| <i>Waltheria virgata</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WD021
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 317523.3E 7620235.58N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sand
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: assorted colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5
 Habitat: Low woodland over tall open shrubland over mid sparse shrubland over low open tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coleii</i> var. <i>coleii</i> | 25 | | 2 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.5 | | 0.2 |
| <i>Ammannia baccifera</i> | 0.1 | | 0.1 |
| <i>Ammannia multiflora</i> | 0.1 | | 0.3 |
| <i>Amyema sanguinea</i> var. <i>sanguinea</i> | | | 0.1 |
| <i>Atalaya hemiglauca</i> | 0.4 | | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Buchnera linearis</i> | 0.1 | | 0.1 |
| <i>*Cenchrus ciliaris</i> | 0.5 | | 20 |
| <i>*Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen leucanthum</i> | 1.5 | | 3 |

| | | |
|--|-----|-----|
| <i>Cymbopogon ambiguus</i> | 0.6 | 0.3 |
| <i>Cyperus difformis</i> | 0.1 | 0.1 |
| <i>Cyperus vaginatus</i> | 0.5 | 3 |
| <i>Dichanthium fecundum</i> | 0.5 | 0.2 |
| <i>Enneapogon lindleyanus</i> | 0.3 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.2 | 0.2 |
| <i>Eragrostis tenellula</i> | 0.3 | 0.1 |
| <i>Eriachne benthamii</i> | 0.5 | 3 |
| <i>Eucalyptus victrix</i> | 7 | 10 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 0.5 | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.8 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 0.3 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Lobelia arnhemiaca</i> | 0.1 | 0.1 |
| * <i>Malvastrum americanum</i> | 0.2 | 0.1 |
| <i>Melaleuca glomerata</i> | 5 | 8 |
| <i>Melhania oblongifolia</i> | 0.2 | 0.1 |
| <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.1 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | 0.1 |
| <i>Stemodia viscosa</i> | 0.2 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.1 |
| <i>Triodia longiceps</i> | 0.4 | 0.1 |

PHOTO



Site Name: WD022
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 317571.91E 7620418.06N
 Community: HG10
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall sparse shrubland over sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*
 Mid Stratum 1: *Indigofera monophylla*, *Senna glutinosa* subsp. *glutinosa*, *Senna glutinosa* subsp. *pruinosa*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia inaequilatera</i> | 3 | | 1 |
| <i>Aristida contorta</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Enneapogon caeruleascens</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 1.3 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 3 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.8 | | 0.3 |
| <i>Tephrosia densa</i> | 0.6 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 30 |

PHOTO



Site Name: WD023
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 317169.32E 7620016.21N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Metamorphic (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Low isolated trees over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Acacia bivenosa*, *Senna glutinosa* subsp. *pruinosa*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.5 | | 0.2 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 3.5 | | 1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.6 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.8 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.6 | | 0.2 |
| <i>Senna symonii</i> | 0.4 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | | 1 |
| <i>Triodia wiseana</i> | 0.3 | | 30 |

PHOTO



Site Name: WD024
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316641.77E 7619725.88N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: assorted colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5
 Habitat: Low isolated trees over mid sparse shrubland over low sparse shrubland over open hummock/tussock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2 | | 8 |
| <i>Acacia colei</i> var. <i>colei</i> | 4 | | 0.3 |
| <i>Acacia ptychophylla</i> | 1.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 25 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Ehretia saligna</i> var. <i>saligna</i> | 4 | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | 1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.1 |
| <i>Gossypium australe</i> | 1 | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platychlamys</i> | 0.4 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.1 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2 | 0.5 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | 1 |
| <i>Sida echinocarpa</i> | 0.1 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 5 |
| <i>Triodia longiceps</i> | 0.5 | 5 |
| <i>Triumfetta chaetocarpa</i> | 0.3 | 0.1 |
| <i>Waltheria virgata</i> | 0.3 | 0.1 |

PHOTO



Site Name: WD025
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316793.45E 7619947.51N
 Community: HG11
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall isolated shrubs over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*
 Mid Stratum 1: *Acacia ptychophylla*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 4 | | 0.4 |
| <i>Acacia ptychophylla</i> | 0.5 | | 1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Polycarphaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 27 |
| <i>Triodia wiseana</i> | 0.3 | | 3 |

PHOTO



Site Name: WD026
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 315022.82E 7619963.69N
 Community: HG12
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Calcrete (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolerite, calcrete, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall sparse shrubland over mid sparse shrubland over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Grevillea wickhamii* subsp. *hispidula*, *Hakea lorea* subsp. *lorea*
 Mid Stratum 1: *Acacia arida*, *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 0.5 |
| <i>Acacia bivenosa</i> | 1.5 | | 0.5 |
| <i>Acacia pyriformis</i> var. <i>morrisonii</i> | 1.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 50 | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 0.4 | 8 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3.5 | | 1 |

| | | | |
|--|-----|---|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3.5 | | 1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.1 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.2 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.2 |
| <i>Senna symonii</i> | 0.4 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.2 | 2 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 30 |
| <i>Triumfetta propinqua</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WD027
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 312425.36E 7619079.68N
 Community: HG12
 Landform Type: Other, LR - low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite, Metamorphic (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Mid sparse shrubland over low sparse shrubland over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia arida*
 Mid Stratum 1: *Corchorus* aff. *incanus* (potentially undescribed)
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 12 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.6 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 50 | 0.3 |
| <i>Cynodon convergens</i> | 0.2 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 25 |
| <i>Triodia scintillans</i> | 0.3 | | 2 |
| <i>Triodia wiseana</i> | 0.3 | | 3 |

PHOTO



Site Name: WD028
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 312104.77E 7618999.77N
 Community: HG7
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: dolomite, calcrete, metamorphose (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle, (other) - fire
 Fire: 4-5 years
 Habitat: Tall isolated shrubs over low isolated shrubs over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.5 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 0.3 | | 0.1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cullen pogonocarpum</i> | 0.4 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia microptera</i> | 0.2 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Gossypium australe</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platychlamys</i> | 0.4 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera linnaei</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.8 | 0.3 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.6 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | 30 |

PHOTO



Site Name: WD029
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 311957.11E 7619507.99N
 Community: HG7
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - fire
 Fire: 4-5 years
 Habitat: Mid sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia robeorum*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1 | | 0.1 |
| <i>Acacia robeorum</i> | 1.2 | | 8 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna symonii</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 30 |

PHOTO



Site Name: WD030
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 311989.79E 7620191.39N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite, Sandstone (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, sandstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Mid open shrubland over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia arida*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.8 | | 12 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 50 | 0.3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 1.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 5 |
| <i>Triodia wiseana</i> | 0.4 | | 12 |

PHOTO



Site Name: WD031
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 312363.9E 7620715.96N
 Community: HG7
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: mixed colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Tall open shrubland over low sparse shrubland over low tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia ancistrocarpa, Acacia arida, Acacia bivenosa, Acacia trachycarpa*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2.5 | | 1.5 |
| <i>Acacia arida</i> | 2.5 | | 10 |
| <i>Acacia bivenosa</i> | 2 | | 0.5 |
| <i>Acacia pyriformis</i> var. <i>morrisonii</i> | 1 | | 0.1 |
| <i>Acacia trachycarpa</i> | 2.5 | | 1 |
| <i>*Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Bonamia media</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 1.8 | | 0.1 |
| <i>*Cenchrus ciliaris</i> | 0.4 | | 45 |
| <i>Chrysopogon fallax</i> | 0.4 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | 0.2 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera linifolia</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.5 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.2 | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 0.5 |
| <i>Triumfetta propinqua</i> | 0.4 | 0.1 |

PHOTO



Site Name: WD032
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 312777.04E 7619687.7N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Calcareous Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: calcareous dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall sparse shrubland over mid sparse shrubland over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 5 |
| <i>Acacia bivenosa</i> | 1.2 | | 1 |
| <i>Carissa lanceolata</i> | 1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 100 | 1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 0.8 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.2 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |

| | | |
|---------------------------------|-----|-----|
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | 30 |

PHOTO



Site Name: WD033
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 317810.95E 7617264.78N
 Community: HG10
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall sparse shrubland over isolated low shrubs over low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 3.5 | | 0.4 |
| <i>Acacia melleodora</i> | 1 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.5 | | 0.2 |
| <i>Aristida contorta</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Boerhavia coccinea</i> | | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |

| | | |
|----------------------------------|-----|-----|
| <i>Senna symonii</i> | 1 | 0.1 |
| <i>Sida echinocarpa</i> | 0.5 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 5 |
| <i>Triodia scintillans</i> | 0.3 | 17 |

PHOTO



Site Name: WD034
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 314938.74E 7616447.81N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >5
 Habitat: Low open woodland over tall open shrubland over low sparse shrubland over low tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia colei* var. *colei*
 Lower Stratum 1: *Chrysopogon fallax*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 1 | | 0.1 |
| <i>Acacia acradenia</i> | 2 | | 2 |
| <i>Acacia ancistrocarpa</i> | 2 | | 0.3 |
| <i>Acacia arida</i> | 1.5 | | 0.1 |
| <i>Acacia colei</i> var. <i>colei</i> | 2.5 | | 15 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.4 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Bonamia media</i> | 0.1 | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | 0.1 |
| <i>Carissa lanceolata</i> | 1.2 | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | 0.1 |
| <i>Chrysopogon fallax</i> | 0.5 | 50 |
| * <i>Citrullus amarus</i> | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | 0.1 |
| <i>Corymbia hamersleyana</i> | 8 | 3 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | 0.1 |
| <i>Cucumis melo</i> | | 0.1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | 0.1 |
| <i>Cynanchum floribundum</i> | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.1 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 1 | 1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Hibiscus leptocladus</i> | 0.4 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 4 |
| * <i>Malvastrum americanum</i> | 0.3 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.5 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.2 |
| <i>Perotis rara</i> | 0.1 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.3 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.1 |

| | | |
|---|-----|-----|
| <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> | 0.2 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.3 | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 1 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.8 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.4 | 0.1 |
| <i>Tribulopsis angustifolia</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 0.2 |

PHOTO



Site Name: WD035
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 317993.83E 7616353.08N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5
 Habitat: Low isolated trees over mid sparse shrubland over mixed tussock/hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia ancistrocarpa*
 Lower Stratum 1: *Chrysopogon fallax*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.5 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.6 | | 7 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.2 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Bothriochloa ewartiana</i> | 1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Chrysopogon fallax</i> | 0.5 | | 20 |

| | | |
|---|-----|-----|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | 0.1 |
| <i>Corymbia hamersleyana</i> | 7 | 1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | 0.3 |
| <i>Digitaria brownii</i> | 0.5 | 0.5 |
| <i>Eriachne mucronata</i> | 0.3 | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 10 | 1 |
| <i>Eulalia aurea</i> | 0.6 | 0.5 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1.2 | 3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.5 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | 0.1 |
| <i>Senna symonii</i> | 1 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.1 |
| <i>Themeda triandra</i> | 0.5 | 1.5 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 0.1 |

PHOTO



Site Name: WD036
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 320727.4E 7609604.69N
 Community: HG10
 Landform Type: Lower Slope, swale (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: ESE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: weathered dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: tall sparse shrubland over low sparse shrubland; low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*
 Mid Stratum 1: *Senna artemisioides* subsp. *helmsii*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 1 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.5 | | 1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Aristida contorta</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.7 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.2 | | 0.1 |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | 0.4 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 20 |

PHOTO



Site Name: WD037
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 319854.79E 7611872.93N
 Community: HG10
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >5
 Habitat: Tall sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia adsurgens</i> | 1.5 | | 0.2 |
| <i>Acacia inaequilatera</i> | 3 | | 1 |
| <i>Aristida contorta</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 0.5 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Senna symonii</i> | 1.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 10 |
| <i>Triodia scintillans</i> | 0.3 | | 20 |

PHOTO



Site Name: WD038
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 319964.96E 7599223.97N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Mid open woodland over tall sparse shrubland over low sparse shrubland over low tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 3 | | 4 |
| <i>Acacia arida</i> | 2 | | 0.4 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 9 | | 0.6 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.5 | | 0.2 |
| <i>Acacia trachycarpa</i> | 1 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3 | | 2 |
| <i>Bothriochloa ewartiana</i> | 0.6 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 25 |
| <i>Chrysopogon fallax</i> | 0.5 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 8 | | 1.5 |
| <i>Cyperus vaginatus</i> | 0.6 | | 0.3 |
| <i>Eriachne tenuiculmis</i> | 0.5 | | 8 |

| | | |
|---|-----|-----|
| <i>Eucalyptus victrix</i> | 13 | 7 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 0.8 | 0.5 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2 | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Operculina aequisejala</i> | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sida echinocarpa</i> | 0.3 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | 1 |
| <i>Themeda triandra</i> | 0.4 | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | 0.1 |

PHOTO



Site Name: WD039
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 319848.86E 7599195.09N
 Community: HG11
 Landform Type: Crest
 Slope Class: Steep (23 degrees)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Metamorphic (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - recent fire
 Fire: 1
 Habitat: Tall isolated shrubs over low sparse shrubland over low hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.5 |
| <i>Corymbia hamersleyana</i> | 0.5 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne lanata</i> | 0.4 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.8 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.6 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.2 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Senna symonii</i> | 0.4 | 0.1 |
| <i>Senna venusta</i> | 0.6 | 0.1 |
| <i>Sida echinocarpa</i> | 0.5 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | 0.2 |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | 0.5 | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.1 | 0.1 |
| <i>Triodia brizoides</i> | 0.2 | 5 |
| <i>Triodia longiceps</i> | 0.3 | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | 5 |
| <i>Triumfetta maconochieana</i> | 0.5 | 0.4 |
| <i>Waltheria virgata</i> | 0.3 | 0.1 |

PHOTO



Site Name: WD040
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 319245.34E 7596995.21N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Conglomerate (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: conglomerate, mixed colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - recent fire
 Fire: 1-2 years
 Habitat: Mid sparse shrubland over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*, *Senna symonii*
 Mid Stratum 2: *Heliotropium* aff. *argyreum* (potentially undescribed)
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2 | | 0.3 |
| <i>Acacia inaequilatera</i> | 0.5 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.5 | | 0.1 |
| <i>Acacia robeorum</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 0.1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.3 |
| <i>Heliotropium crispatum</i> | 0.2 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 1 |
| <i>Sida echinocarpa</i> | 0.3 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.3 | | 0.3 |
| <i>Triodia wiseana</i> | 0.3 | | 15 |

PHOTO



Site Name: WD041
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 318978.24E 7596880.13N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Mid open woodland over tall open shrubland over low open tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 0.3 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 6 | | 8 |
| <i>Acacia trachycarpa</i> | 5 | | 5 |
| * <i>Aerva javanica</i> | 0.8 | | 0.1 |
| <i>Alternanthera angustifolia</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 6 | | 3 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bothriochloa ewartiana</i> | 0.8 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 40 |
| <i>Corchorus laniflorus</i> | 0.8 | | 0.2 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria cunninghamii</i> | | | |
| <i>Cucumis variabilis</i> | | | 0.1 |

| | | |
|---|-----|-----|
| <i>Cullen leucanthum</i> | 0.1 | 0.1 |
| <i>Cyperus vaginatus</i> | 0.5 | 0.2 |
| <i>Eragrostis tenellula</i> | 0.3 | 0.1 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 15 | 8 |
| <i>Eucalyptus victrix</i> | 12 | 3 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 0.3 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Melaleuca glomerata</i> | 5 | 1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.2 | 0.1 |
| <i>Sesbania cannabina</i> | 0.3 | 0.1 |
| <i>Stemodia viscosa</i> | 0.1 | 0.1 |

PHOTO



Site Name: WD042
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 313976.18E 7591463.53N
 Community: HG11
 Landform Type: Mid Slope, low plateau (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphic (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall sparse shrubland over mid sparse shrubland over low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Grevillea berryana*
 Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.3 | | 5 |
| <i>Acacia hilliana</i> | 0.5 | | 1.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.4 | | 0.2 |
| <i>Dampiera candidans</i> | 0.3 | | 0.1 |
| <i>Eremophila exilifolia</i> | 0.5 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Goodenia triodiophila</i> | 0.2 | | 0.1 |
| <i>Grevillea berryana</i> | 2 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | | 0.1 |
| <i>Heliotropium skeleton</i> | 0.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.2 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.2 | | 0.1 |
| <i>Schizachyrium fragile</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 1.8 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.5 | | 0.1 |
| <i>Stemodia grossa</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.6 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 30 |

PHOTO



Site Name: WD043
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 313422.92E 7591231.17N
 Community: HG1
 Landform Type: Lower Slope, low plateau (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Tall isolated shrubs over low isolated shrubs over hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia robeorum*
 Mid Stratum 1: *Senna sericea*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 2 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna sericea</i> | 0.8 | | 0.2 |
| <i>Senna symonii</i> | 0.6 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 40 |

PHOTO



Site Name: WD044
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 313062.95E 7591249.66N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NNE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Fire: >5
 Habitat: Mid open woodland over tall open shrubland over low sparse shrubland over low tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Acacia trachycarpa*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 3 | | 0.5 |
| <i>Acacia arida</i> | 2 | | 0.2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.5 | | 0.1 |
| <i>Acacia trachycarpa</i> | 3 | | 8 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 0.8 | | 0.1 |
| <i>*Aerva javanica</i> | 0.6 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 5 | | 0.5 |
| <i>Bergia pedicellaris</i> | 0.1 | | 0.1 |
| <i>Bergia trimera</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|-----|-----|
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 30 |
| <i>Chrysopogon fallax</i> | 0.3 | | 0.1 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | 250 | 2.5 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.2 | | 0.1 |
| <i>Eragrostis cumingii</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.2 |
| <i>Eucalyptus victrix</i> | 12 | | 7 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Fimbristylis microcarya</i> | 0.1 | | 0.1 |
| <i>Goodenia cusackiana</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 0.3 |
| <i>Indigofera monophylla</i> | 0.6 | | 1 |
| <i>Marsilea hirsuta</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.3 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | | 0.3 |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | 0.6 | | 0.3 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 0.3 |
| <i>Waltheria indica</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WD045
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 312904.3E 7590992N
 Community: HG7
 Landform Type: Flat
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Mid open shrubland over low open tussock/hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2 | | 0.4 |
| <i>Acacia arida</i> | 1.5 | | 15 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Aristida contorta</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.5 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia media</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 3 |
| <i>Chrysopogon fallax</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.2 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | 0.2 | | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.1 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.1 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 1.2 | | 0.4 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulopsis angustifolia</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 7 |
| <i>Triodia wiseana</i> | 0.3 | | 0.2 |

PHOTO



Site Name: WD046
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 313928.35E 7589364.38N
 Community: HG12
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 2-10%
 CF Types: dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Mid sparse shrubland over low sparse shrubland over open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 4 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.5 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.8 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.2 |

| | | | |
|--|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Tribulus platypterus</i> | 0.5 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 22 |
| <i>Triumfetta propinqua</i> | 0.3 | | 0.1 |

Site Name: WD047
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 314073.89E 7589682.34N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Mid woodland over tall sparse shrubland over low sparse shrubland over low tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Upper Stratum 2: *Atalaya hemiglauca*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 7 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.5 | | 1 |
| <i>Acacia trachycarpa</i> | 3.5 | | 1.5 |
| <i>Achyranthes aspera</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 7 | | 3 |
| <i>Bonamia pilbarensis</i> | | | 0.1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 1.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 30 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 6 | 1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | 0.3 |
| <i>Duperreya commixta</i> | | 0.1 |
| <i>Enteropogon ramosus</i> | 0.6 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.1 |
| <i>Eucalyptus victrix</i> | 15 | 10 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 1 | 0.1 |
| <i>Gossypium robinsonii</i> | 2 | 0.2 |
| <i>Indigofera monophylla</i> | 0.1 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Striga squamigera</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.5 |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | 0.6 | 0.5 |
| <i>Trigastrotheca molluginea</i> | 0.3 | 0.1 |
| <i>Waltheria indica</i> | 0.4 | 0.1 |

PHOTO



Site Name: WD048
 Site Type: QUADRAT
 Dimensions: 15m x 166m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 314069.53E 7590073.86N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert Breccia (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert breccia (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Tall shrubland over low sparse shrubland over low sparse mixed grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia pyrifolia* var. *pyrifolia*, *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* subsp. *hispidula*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.5 | | 0.1 |
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.6 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 0.5 | | 0.1 |
| <i>Acacia arida</i> | 4 | | 10 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 5 | | 1 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 5 | | 20 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 1.5 |
| <i>Aristida pruinosa</i> | 1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.4 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Dampiera candicans</i> | 0.4 | | 0.1 |
| <i>Digitaria brownii</i> | 0.5 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Enneapogon lindleyanus</i> | 0.5 | 0.2 |
| <i>Eriachne mucronata</i> | 0.3 | 3 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.1 |
| <i>Gossypium robinsonii</i> | 2 | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 5 | 20 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.6 | 0.3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 1 | 4 |
| <i>Melhania oblongifolia</i> | 0.5 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 3 |
| <i>Paspalidium clementii</i> | 0.2 | 0.5 |
| <i>Paspalidium tabulatum</i> | 0.5 | 1 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.9 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | 0.1 |
| <i>Seringia nephrosperma</i> | 0.8 | 0.2 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 1.3 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | 0.1 |
| <i>Solanum gabriellae</i> | 0.3 | 0.1 |
| <i>Solanum horridum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.8 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.1 |
| <i>Themeda triandra</i> | 0.5 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 3 |
| <i>Triodia wiseana</i> | 0.3 | 3 |
| <i>Triumfetta propinqua</i> | 0.2 | 0.1 |

PHOTO



Site Name: WD049
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 313833.2E 7590277.97N
 Community: HG11
 Landform Type: Ridge
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert Breccia (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert breccia (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Isolated tall shrubs over mid sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.2 | | 1.5 |
| <i>Acacia inaequilatera</i> | 2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.3 | | 0.1 |
| <i>Tribulus suberosus</i> | 1.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 30 |

PHOTO



Site Name: WD050
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312216.19E 7613543.79N
 Community: HG7
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Calcrete (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <2 years
 Habitat: tall sparse shrubland over low sparse shrubland over low hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 0.1 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.2 | | 0.2 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.2 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 1.5 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.2 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.4 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.2 |
| <i>Salsola australis</i> | 0.2 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Senna sericea</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|----|-----|
| <i>Solanum diversiflorum</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 30 | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | | 15 |

PHOTO



Site Name: WD051
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312192.72E 7613264.68N
 Community: HG4
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay
 Soil Colour: light red brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: <2 years
 Habitat: Low sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia angusta*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 0.1 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.1 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.3 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eremophea spinosa</i> | 0.2 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.4 |

| | | |
|--|-----|-----|
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | 0.1 |
| <i>Lepidium pholidogynum</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | 0.2 |
| <i>Pluchea tetranthera</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | 0.1 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.3 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.5 |
| <i>Streptoglossa bubakii</i> | 0.3 | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.3 | 0.2 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | 0.2 |
| <i>Triodia angusta</i> | 0.3 | 15 |
| <i>Triodia epactia</i> | 0.3 | 0.1 |
| <i>Xerochloa barbata</i> | 0.2 | 0.1 |

PHOTO



Site Name: WD052
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 314719.67E 7589620.31N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert Breccia (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: chert breccia (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Isolated tall shrubs over isolated low shrubs over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.4 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.8 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 30 |

PHOTO



Site Name: WD053
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 315134.08E 7589693.11N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: Chert Breccia (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: chert breccia (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Low open woodland over mid sparse shrubland over low hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 2.5 |
| <i>Acacia robeorum</i> | 1.5 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.8 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 0.8 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |
| <i>Maireana</i> ? <i>villosa</i> | 0.2 | | 0.1 |
| <i>Maireana villosa</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.3 | | 0.2 |
| <i>Senna symonii</i> | 0.8 | | 0.5 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Tribulus suberosus</i> | 0.3 | | 0.1 |
| <i>Triodia longiceps</i> | 0.6 | | 15 |
| <i>Triodia scintillans</i> | 0.3 | | 4 |
| <i>Tripogonella loliiformis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WD053A
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 316300.51E 7599138.2N
 Community: HG9
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Low open hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Atriplex codonocarpa</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Cyperus squarrosus</i> | 0.1 | | 0.1 |
| <i>Eragrostis cumingii</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.1 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.2 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Sclerolaena crenata</i> | 0.1 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.2 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.2 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.5 | | 0.1 |
| <i>Trianthera triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.2 |
| <i>Triodia longiceps</i> | 0.5 | | 17 |
| <i>Wahlenbergia tumidifructa</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WD054
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 316588.55E 7598095.16N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert Breccia (other), 10-20% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert breccia (other)
 Vegetation Condition: Combined Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Low isolated trees over mid sparse shrubland over low hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*
 Mid Stratum 1: *Acacia arida*, *Acacia maitlandii*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1 | | 3 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Acacia maitlandii</i> | 1 | | 3 |
| <i>Aristida contorta</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | 1 | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 7 | | 6 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Paspalidium clementii</i> | 0.2 | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | 0.2 |
| <i>Ptilotus clementii</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | 0.1 |
| <i>Solanum gabriellae</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.8 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 13 |
| <i>Triodia wiseana</i> | 0.3 | 7 |
| <i>Waltheria virgata</i> | 0.6 | 0.1 |

PHOTO



Site Name: WD055
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/05/2021
 GPS Location: GDA94 Zone 51 314625.87E 7599990.96N
 Community: HG12
 Landform Type: Crest
 Slope Class: Steep (23 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5
 Habitat: Mid sparse shrubland over low hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 0.5 | | 1 |
| <i>Acacia inaequilatera</i> | 0.5 | | 0.2 |
| * <i>Aerva javanica</i> | 0.6 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | 800 | 3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.3 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.4 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Hibiscus coatesii</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.5 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.5 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Tribulus platypterus</i> | 0.5 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.3 | | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | | 0.1 |
| <i>Triumfetta propinqua</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WD056
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 318782.23E 7601513.46N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Chert (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5
 Habitat: Low isolated trees over mid sparse shrubland over low hummock grassland
 Comments: Low rise with minor flow lines

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 2 |
| <i>Acacia bivenosa</i> | 1.5 | | 0.5 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.2 |
| <i>Acacia robeorum</i> | 2 | | 0.5 |
| <i>Anthobolus leptomerioides</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | | 1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.8 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | | 0.2 |
| <i>Solanum gabrielae</i> | 0.3 | | 0.1 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 0.2 |
| <i>Triodia wiseana</i> | 0.3 | | 30 |

PHOTO



Site Name: WDR-01
 Site Type: RELEVE
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 320239.67E 7599328.37N
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - recent fire
 Fire: 1
 Comments: Numerous other short-lived species not recorded

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.5 | | 0.1 |
| <i>Acacia inaequilatera</i> | 3 | | 0.5 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | | 6 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.8 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.5 | | 1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | | 0.3 |
| <i>Triodia brizoides</i> | 0.1 | | 5 |

PHOTO



Site Name: WE001
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/04/2021
 GPS Location: GDA94 Zone 51 314385.84E 7603841.25N
 Community: HG5
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.2 | | 0.1 |
| <i>Acacia synchronicia</i> | 1.8 | | 0.5 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.2 | | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.2 |
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.4 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.3 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 1.8 | | 0.3 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.7 | | 0.3 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.2 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | | 30 |
| <i>Triodia wiseana</i> | 0.3 | | 3 |

PHOTO



Site Name: WE002
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/04/2021
 GPS Location: GDA94 Zone 51 315021.45E 7603821.78N
 Community: HG8
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Aspect: SSW
 Soil Type: Sandy Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Laterite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Hakea lorea* subsp. *lorea*
 Upper Stratum 2: *Acacia sclerosperma* subsp. *sclerosperma*
 Lower Stratum 1: **Cenchrus ciliaris*, *Triodia wiseana*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.1 | 1 | 0.2 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 2.8 | | 2 |
| <i>Acacia synchronicia</i> | | | |
| <i>Acacia trachycarpa</i> | 2 | | 0.5 |
| * <i>Aerva javanica</i> | 0.4 | 1 | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Bonamia media</i> | | | 1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 40 |
| * <i>Citrullus colocynthis</i> | 0.1 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | | | |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Crotalaria ?ramosissima</i> | 0.1 | 0.1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | 0.1 |
| <i>Eragrostis xerophila</i> | 0.4 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.2 | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 5 |
| <i>Indigofera linifolia</i> | 0.2 | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | 0.2 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.3 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Sclerolaena costata</i> | 0.3 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | 0.1 |
| <i>Trianthema pilosum</i> | | 2 |
| <i>Trianthema triquetrum</i> | | 0.2 |
| <i>Tribulopsis angustifolia</i> | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 2 |
| <i>Triodia longiceps</i> | 0.8 | 0.5 |
| <i>Triodia wiseana</i> | 0.4 | 10 |

PHOTO



Site Name: WE003
 Site Type: QUADRAT
 Dimensions: 15m x 167m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319408.51E 7601393.95N
 Community: W2
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: river stones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Lots of flood debris

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Upper Stratum 2: *Atalaya hemiglauca, Melaleuca glomerata*
 Mid Stratum 2: *Acacia coriacea* subsp. *pendens*, *Acacia trachycarpa*
 Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> sp. | 0.1 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3 | | 2.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2 | | 1.5 |
| <i>Acacia trachycarpa</i> | 3.2 | | 3 |
| * <i>Aerva javanica</i> | 0.4 | 7 | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.7 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Atalaya hemiglauca</i> | 5.5 | 5 |
| <i>Boerhavia coccinea</i> | 0.1 | 0.2 |
| <i>Bonamia media</i> | | 0.2 |
| * <i>Calotropis procera</i> | 0.2 | 0.1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 0.4 | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | 15 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | 0.2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | 0.1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.6 | 2 |
| <i>Dactyloctenium radulans</i> | 0.1 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.3 | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.3 | 0.4 |
| <i>Eucalyptus victrix</i> | 12 | 20 |
| <i>Eulalia aurea</i> | 0.3 | 0.3 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.3 | 0.2 |
| <i>Gossypium australe</i> | 0.6 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Melaleuca glomerata</i> | | 25 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.4 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.2 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sesbania cannabina</i> | 0.2 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | 0.1 |
| <i>Themeda triandra</i> | 1.1 | 0.2 |

PHOTO



Site Name: WE004
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319799.21E 7600702.94N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon ?lepidum</i> | 0.1 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.4 | | 2 |
| <i>Acacia inaequilatera</i> | 1.4 | | 0.2 |
| <i>Acacia robeorum</i> | 0.7 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.6 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.8 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 1.7 | | 0.1 |
| <i>Enneapogon caeruleascens</i> | 0.2 | | 0.2 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Gossypium australe</i> | 1.3 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.8 | 0.2 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.8 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.6 | 0.2 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 0.9 | 0.4 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Triodia longiceps</i> | 1.1 | 8 |
| <i>Triodia wiseana</i> | 0.4 | 11 |

PHOTO



Site Name: WE005
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319453.47E 7600746.56N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Very Steep (37 degrees)
 Aspect: SSE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Ironstone (other), >50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolerite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Mining - previous activity to the NW of the quadrat
 Fire: >5
 Comments: SE corner more recently burnt than rest of the quadrat (last 2 years)

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Ptilotus clementii*

Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.3 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.5 | | 0.3 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Cymbopogon ambiguus</i> | 1 | | 0.2 |
| <i>Dampiera candicans</i> | 0.4 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.8 | | 1 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia cusackiana</i> | 0.3 | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1 | 0.2 |
| <i>Hibiscus coatesii</i> | 0.6 | 0.2 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.1 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | 2 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.2 |
| <i>Ptilotus obovatus</i> | 0.5 | 0.3 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.9 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Solanum gabrielae</i> | 0.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 1.1 | 0.2 |
| <i>Tribulus suberosus</i> | 0.6 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 7 |
| <i>Triumfetta maconochieana</i> | 0.6 | 0.2 |

PHOTO



Site Name: WE006
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 313430.09E 7602049.08N
 Community: HG8
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Granite, Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - recent fire
 Fire: <18 months
 Comments: Small successive growth

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Abutilon lepidum</i> | 0.3 | | 0.2 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| * <i>Citrullus colocynthis</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.3 |
| <i>Cullen pogonocarpum</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.4 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.2 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.5 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.2 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.6 | | 0.2 |
| <i>Ptilotus obovatus</i> | 0.4 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.2 |
| <i>Senna notabilis</i> | 0.1 | | 0.2 |
| <i>Sida arenicola</i> | 0.2 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.1 | | 1 |

PHOTO



Site Name: WE007
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 313120.43E 7601637.41N
 Community: HG7
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: <18 months

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Indigofera monophylla*
 Lower Stratum 1: *Chrysopogon fallax*
 Lower Stratum 2: *Polymeria mollis, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 0.3 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.1 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Calotropis procera</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1 | | 40 |

| | | | |
|---|-----|----|-----|
| <i>*Citrullus colocynthis</i> | 0.2 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.4 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen pogonocarpum</i> | 0.1 | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.2 | | 0.1 |
| <i>Euphorbia clementii</i> (P3) | 0.4 | 40 | 0.2 |
| <i>Euphorbia</i> ? <i>trigonosperma</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.2 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 6 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 8 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.6 | | 0.3 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.5 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa bubakii</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.2 | | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.3 | | 1 |
| <i>Tephrosia supina</i> | 0.2 | | 0.1 |

| | | |
|----------------------------------|-----|-----|
| <i>Tribulopsis angustifolia</i> | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.5 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia longiceps</i> | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | 4 |

PHOTO



Site Name: WE008
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314460.73E 7602188.93N
 Community: HG4
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Light Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Grazing - high cattle activity , Exotic Weeds, Animal Disturbance - cattle
 Fire: 5-10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia synchronicia</i> | | | |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.3 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.5 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.4 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Heliotropium heteranthum</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Salsola australis</i> | 0.1 | | 0.1 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.3 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.3 | | 0.1 |
| <i>Sclerolaena lanicuspis</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.5 |
| <i>Triodia wiseana</i> | 0.4 | | 0.8 |

PHOTO



Site Name: WE009
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314851.87E 7601875.86N
 Community: HG4
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: *Triodia wiseana*
 Lower Stratum 2: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia bivenosa</i> | 2.2 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 1.3 | | 0.1 |
| <i>Acacia synchronicia</i> | 1.7 | | 5 |
| * <i>Aerva javanica</i> | 1 | 2 | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 10 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.2 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.1 | | 0.1 |
| <i>Euphorbia ?trigonosperma</i> | 0.2 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.2 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Salsola australis</i> | 0.4 | | 0.2 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.3 | | 0.2 |
| <i>Sclerolaena costata</i> | 0.2 | | 0.1 |
| <i>Sclerolaena crenata</i> | 0.1 | | 0.1 |
| <i>Sclerolaena lanicuspis</i> | 0.3 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Streptoglossa decurrens</i> | 0.2 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.5 |
| <i>Triodia longiceps</i> | 1 | | 1.5 |
| <i>Triodia wiseana</i> | 0.4 | | 21 |

PHOTO



Site Name: WE010
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 314152.42E 7601686.06N
 Community: HG8
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: <18 months

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Aristida contorta</i> | 0.4 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.5 | | 0.2 |
| <i>Arivela viscosa</i> | 0.7 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.5 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Citrullus colocynthis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 6 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia</i> ? <i>trigonosperma</i> | 0.3 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.6 | | 0.1 |
| <i>Ptilotus obovatus</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.2 | | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | | 0.3 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.3 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.1 | | 0.3 |
| <i>Triodia wiseana</i> | 0.1 | | 1.5 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WE011
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 314451.13E 7600898.08N
 Community: HG8
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NNW
 Soil Type: Sandy Clay Loam
 Soil Colour: orange brown (other)
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, dolomite, colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 2 - 3 years

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*
 Lower Stratum 2: *Tribulus* sp. long-styled eichlerianus (A.S. George 10666)

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.6 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Abutilon</i> cf. ?sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.2 |
| <i>Acacia robeorum</i> | 1.8 | | 0.2 |
| <i>Acacia trachycarpa</i> | 1.5 | | 0.1 |
| * <i>Aerva javanica</i> | 0.7 | | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.3 | | 0.1 |
| <i>Bonamia media</i> | | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.3 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Enneapogon caeruleus</i> | 0.2 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.4 | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Maireana melanocoma</i> | 0.3 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.4 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.5 | 0.1 |
| <i>Senna notabilis</i> | 0.3 | 0.1 |
| <i>Senna symonii</i> | 1.7 | 0.2 |
| <i>Sida echinocarpa</i> | 0.3 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | 3 |
| <i>Triodia epactia</i> | 0.7 | 0.5 |
| <i>Triodia wiseana</i> | 0.6 | 2 |

PHOTO



Site Name: WE012
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 315099.26E 7601120.17N
 Community: HG8
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Granite, Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Acacia synchronicia</i> | 3 | | 2 |
| * <i>Aerva javanica</i> | 0.6 | 1 | 0.1 |
| <i>Bonamia media</i> | | | 0.5 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 1.1 |
| <i>Chrysopogon fallax</i> | 1.2 | | 8 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.3 | | 0.1 |
| <i>Eragrostis dielsii</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.2 |
| <i>Eremophila forrestii</i> subsp. <i>forrestii</i> | 1 | | 1 |

| | | |
|--|-----|-----|
| <i>Euphorbia boophthona</i> | 0.2 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.2 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia cusackiana</i> | 0.2 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | 0.5 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | 0.1 |
| <i>Perotis rara</i> | 0.1 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Rhagodia eremaea</i> | 1.6 | 0.3 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sclerolaena costata</i> | 0.4 | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | 0.1 |
| <i>Sclerolaena</i> sp. | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida echinocarpa</i> | 0.3 | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 5 |
| <i>Triodia wiseana</i> | 0.4 | 40 |

PHOTO



Site Name: WE013
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 314887.02E 7603719.91N
 Community: TG1
 Landform Type: floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: 5-10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Acacia trachycarpa*, *Atalaya hemiglauca*
 Mid Stratum 2: *Acacia pyrifolia* var. *pyrifolia*
 Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: **Aerva javanica*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3.5 | | 0.8 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.5 | | 13 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3.5 | | 0.5 |
| <i>Acacia trachycarpa</i> | 3 | | 1 |
| * <i>Aerva javanica</i> | 1 | 60 | 1 |
| <i>Arivela viscosa</i> | 0.8 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3 | | 2 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 0.5 |
| <i>Carissa lanceolata</i> | 1.8 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 60 |
| * <i>Citrullus amarus</i> | | | 0.2 |
| * <i>Citrullus colocynthis</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Eucalyptus victrix</i> | 7 | | 1.5 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.6 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WE014
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 314030.45E 7604987.02N
 Community: HG5
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Light Clay
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.1 | | 0.1 |
| <i>Blumea tenella</i> | 0.1 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| <i>Bonamia media</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Dichanthium sericeum</i> subsp. <i>humilius</i> | 0.3 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.5 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.1 | | 0.1 |
| <i>Euphorbia ?trigonosperma</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Euphorbia trigonosperma</i> | 0.4 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.2 |
| <i>Hibiscus coatesii</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | | 0.1 |
| <i>Neptunia</i> sp. | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.2 | | 0.1 |
| <i>Sclerolaena crenata</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | | | |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | | | |
| <i>Sesbania cannabina</i> | 0.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa bubakii</i> | 0.2 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1 | | 30 |
| <i>Triodia wiseana</i> | 0.4 | | 1 |

PHOTO



Site Name: WE015
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 318553.44E 7599168.63N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Mining - track passing through west side of quadrat , Animal Disturbance - cattle
 Fire: >5
 Comments: Close to an old mining area, lots of tracks to the N and NW of the plot

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Hibiscus coatesii*
 Mid Stratum 2: *Acacia synchronicia*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.7 | | 0.5 |
| <i>Acacia robeorum</i> | 2 | | 1 |
| <i>Acacia synchronicia</i> | 0.8 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | | | |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.2 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | | | |

| | | | |
|--|-----|--|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Hibiscus coatesii</i> | 1.3 | | 2 |
| <i>Maireana melanocoma</i> | 0.2 | | 0.1 |
| <i>Portulaca cyclophylla</i> | | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Salsola australis</i> | 0.3 | | 0.1 |
| <i>Sclerolaena crenata</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | 0.8 | | 0.1 |
| <i>Senna symonii</i> | 1.1 | | 1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1 | | 20 |
| <i>Triodia wiseana</i> | 0.4 | | 10 |

PHOTO



Site Name: WE016
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 317783.08E 7601373.91N
 Community: TG1
 Landform Type: floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Loam
 Soil Colour: orange brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Granite, Dolerite, Laterite
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Fire: 5-10
 Comments: Some Acacia deaths

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: *Boerhavia burbridgeana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Acacia arida</i> | 0.3 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.7 | | 0.3 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3 | | 0.1 |
| <i>Acacia trachycarpa</i> | 2.3 | | 0.3 |
| * <i>Aerva javanica</i> | 0.7 | 33 | 0.5 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.2 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 1.5 |
| <i>Boerhavia ?coccinea</i> | 0.2 | | 0.3 |
| <i>Bonamia media</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 45 |
| * <i>Citrullus amarus</i> | | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eucalyptus victrix</i> | 8 | | 0.6 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 1.3 | | 0.4 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 0.2 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.1 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.9 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WE017
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 316615.29E 7604165.73N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Sandy Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.4 | | 1.5 |
| <i>Acacia ptychophylla</i> | | | |
| <i>Acacia robeorum</i> | 2 | | 2 |
| <i>Anthobolus leptomerioides</i> | 1.7 | | 1 |
| <i>Corymbia hamersleyana</i> | 3 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.3 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.8 | | 0.1 |
| <i>Lawrenzia densiflora</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Ptilotus axillaris</i> | 0.2 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 1 | | 0.4 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia muricata</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.6 | | 10 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |

PHOTO



Site Name: WE018
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 316188.62E 7604162.41N
 Community: HG12
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 5-10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 2 |
| <i>Acacia inaequilatera</i> | 2 | | 1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 0.6 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Corchorus</i> sp. | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 1.8 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.2 |
| <i>Euphorbia boophthona</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.3 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |

| | | | |
|--|-----|---|-----|
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.3 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.7 | | 0.2 |
| <i>Senna symonii</i> | 1.5 | | 0.5 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia muricata</i> | 0.5 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 2 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 0.2 |
| <i>Triodia wiseana</i> | 0.3 | | 37 |

PHOTO



Site Name: WE019
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 319284.75E 7604296.65N
 Community: HG1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolomite, Dolerite, Ironstone and Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: (other) - Mechanical disturbance
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 1 | | 0.2 |
| <i>Acacia bivenosa</i> | 1.6 | | 0.5 |
| <i>Acacia robeorum</i> | 2 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Cynanchum viminale</i> subsp. <i>australe</i> | 1.3 | | 0.5 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Maireana melanocoma</i> | 0.1 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.7 | | 0.4 |
| <i>Ptilotus obovatus</i> | 0.2 | | 0.1 |
| <i>Salsola australis</i> | 0.6 | | 0.2 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 1.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | | 0.1 |
| <i>Solanum lasiophyllum</i> | | | |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.2 |

| | | | |
|--------------------------------|-----|--|-----|
| <i>Streptoglossa decurrens</i> | 0.3 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1.4 | | 12 |

PHOTO



Site Name: WE020
 Site Type: QUADRAT
 Dimensions: 18m x 140m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 319746.38E 7608428.95N
 Community: W1
 Landform Type: Other, Flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolomite, Dolerite and River stones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Mid Stratum 2: *Acacia ancistrocarpa*, *Gossypium australe*
 Lower Stratum 1: *Tephrosia rosea* var. *clementii*
 Lower Stratum 2: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.6 | | 0.2 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.1 |
| <i>Abutilon</i> cf. ?sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.2 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 2 | | 20 |
| <i>Acacia arida</i> | 1.4 | | 0.2 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.1 |
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia ptychophylla</i> | 1.1 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.7 | | 0.1 |

| | | | |
|---|-----|----|-----|
| * <i>Aerva javanica</i> | 1 | 17 | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.6 | | 0.1 |
| <i>Bonamia media</i> | | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 1.5 |
| <i>Chrysopogon fallax</i> | 1.1 | | 0.2 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 0.5 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 10 | | 2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.1 |
| <i>Cyperus vaginatus</i> | 1.2 | | 0.1 |
| <i>Ehretia saligna</i> var. <i>saligna</i> | 1.7 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.3 | | 0.4 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 1.8 | | 2.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.6 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 12 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.3 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.4 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |
| <i>Petalostylis labicheoides</i> | 1.5 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Salsola australis</i> | 0.5 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.6 | | 0.4 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 1.4 | | 0.3 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.5 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.2 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | | 0.1 |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | 1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1 | | 5 |
| <i>Tephrosia supina</i> | 0.2 | | 0.1 |
| <i>Themeda triandra</i> | 0.9 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 0.1 |
| <i>Triumfetta chaetocarpa</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WE021
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 319450.31E 7608284.67N
 Community: HG1
 Landform Type: Upper Slope
 Slope Class: Steep (23 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolerite, 10-20% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle
 Fire: 5-10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.7 | | 0.1 |
| <i>Acacia inaequilatera</i> | 0.1 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.5 | | 0.4 |
| <i>Acacia robeorum</i> | 0.8 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Dampiera candicans</i> | 0.4 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.3 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 1.1 | | 0.1 |
| <i>Senna sericea</i> | | | |
| <i>Senna symonii</i> | 1 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.6 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 0.5 |
| <i>Triodia wiseana</i> | 0.3 | | 17 |
| <i>Triumfetta maconochieana</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WE022
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 319214.8E 7608372.6N
 Community: HG1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Ironstone, <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite, Ironstone and Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Comments: Approximately 200 m to the SW of quadrat = existing track and mining disturbance (and historical/mechanical disturbance - ripping)

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Mid Stratum 2: *Acacia robeorum*
 Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.2 | | 1.5 |
| <i>Acacia robeorum</i> | 1.2 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.8 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.2 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.5 |

| | | | |
|----------------------------------|-----|--|-----|
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1.3 | | 30 |
| <i>Triodia wiseana</i> | 0.3 | | 0.5 |

PHOTO



Site Name: WE023
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 318809.49E 7608201.94N
 Community: HG1
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: (other) - Mining activity in close proximity
 Fire: 5-10
 Comments: Quadrat placed 24 m W of proposed point location due to recent (3-5yrs) mining disturbance. Quadrat is now on upper to mid slope rather than mid-slope.

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.3 | | 0.6 |
| <i>Acacia ptychophylla</i> | | | |
| <i>Acacia robeorum</i> | 0.3 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 2.4 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.3 | | 1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 10 | | 2 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia stobbsiana</i> | 0.2 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | 0.1 |
| <i>Maireana melanocoma</i> | 0.2 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.2 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.1 |
| <i>Senna symonii</i> | 1.2 | 0.5 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 3 |
| <i>Triodia longiceps</i> | 0.8 | 10 |
| <i>Triodia scintillans</i> | 0.2 | 1 |
| <i>Triodia wiseana</i> | 0.3 | 6 |

PHOTO



Site Name: WE024
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 319484.92E 7608863.85N
 Community: HG11
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite and Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Senna glutinosa* subsp. *x luerssenii*
 Lower Stratum 1: *Triodia brizoides*, *Triodia epactia*
 Lower Stratum 2: *Corchorus lasiocarpus* subsp. *lasiocarpus*, *Ptilotus astrolasius*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia inaequilatera</i> | 1.4 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.4 | | 0.5 |
| <i>Acacia robeorum</i> | 0.6 | | 0.1 |
| <i>Acacia trachycarpa x tumida</i> var. <i>pilbarensis</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 1.5 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.5 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.4 | | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.4 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.5 |
| <i>Pluchea tetranthera</i> | 0.2 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 2 |
| <i>Ptilotus calostachyus</i> | 0.7 | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.3 | 1.6 |
| <i>Senna symonii</i> | 1 | 0.3 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia brizoides</i> | 0.2 | 2 |
| <i>Triodia epactia</i> | 0.3 | 3 |

PHOTO



Site Name: WE025
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 312831.24E 7611805.08N
 Community: HG8
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Light brown/tan (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: <2

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.5 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | 1 | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.1 |
| <i>Boerhavia</i> ? <i>coccinea</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.3 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.2 | | 0.3 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.4 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Euphorbia</i> ? <i>trigonosperma</i> | 0.4 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.2 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.5 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.2 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera linifolia</i> | 0.2 | | 0.1 |
| <i>Kohautia australiensis</i> (P2) | 0.1 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.3 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.5 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.5 |
| <i>Ptilotus clementii</i> | 0.6 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.3 | | 0.2 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | | 0.1 |
| <i>Solanum</i> sp. | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Streptoglossa decurrens</i> | 0.3 | | 0.1 |
| <i>Swainsona decurrens</i> | 0.4 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | | 1 |
| <i>Triodia wiseana</i> | 0.4 | | 4.5 |

PHOTO



Site Name: WE026
 Site Type: QUADRAT
 Dimensions: 35m x 71.5m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 319059.22E 7608128.79N
 Community: HG7
 Landform Type: Other, Flowline/floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clayey Sand
 Soil Colour: Light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite, Dolomite and Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - Cattle
 Fire: 5-10
 Comments: Adjacent existing mechanical disturbance (track)

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Carissa lanceolata, Petalostylis labicheoides*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.6 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.1 | | 0.5 |
| <i>Acacia inaequilatera</i> | 0.8 | | 0.1 |
| <i>Acacia robeorum</i> | 0.8 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.3 | | 0.1 |
| <i>Acacia trachycarpa x tumida var. pilbarensis</i> | 1 | | 0.1 |
| <i>*Aerva javanica</i> | 0.2 | 12 | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.7 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.3 | | 0.1 |
| <i>Carissa lanceolata</i> | 2.3 | | 2 |
| <i>*Cenchrus ciliaris</i> | 0.7 | | 12 |
| <i>Chrysopogon fallax</i> | 1.1 | | 3 |

| | | |
|--|-----|-----|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | 0.1 |
| <i>Corchorus sidooides</i> subsp. <i>sidooides</i> | 0.4 | 1 |
| <i>Corchorus tridens</i> | 0.1 | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 4 | 0.2 |
| <i>Corymbia hamersleyana</i> | 1.4 | 0.1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.2 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.2 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | 0.1 |
| <i>Euphorbia</i> ? <i>trigonosperma</i> | 0.4 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Gossypium australe</i> | | |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.3 |
| <i>Petalostylis labicheoides</i> | 2.3 | 15 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | 0.1 |
| <i>Sida fibulifera</i> | 0.4 | 0.2 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.2 |
| <i>Streptoglossa decurrens</i> | 0.2 | 0.2 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.3 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 1 |
| <i>Triodia longiceps</i> | 0.4 | 0.1 |

PHOTO



Site Name: WE027
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313405.72E 7612307.28N
 Community: HG4
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: Beige (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Calcrete, Dolerite and (Chert?) (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - Cattle
 Fire: <5
 Comments: Significant death of Acacias (fire). Quadrat generally quite dry, **Cenchrus ciliaris* prolific but beginning to die off.

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: **Cenchrus ciliaris*, *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Acacia bivenosa</i> x <i>sclerosperma</i> subsp. <i>sclerosperma</i> | 0.2 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 1.6 | | 0.2 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleascens</i> | 0.1 | | 0.1 |
| <i>Eragrostis cumingii</i> | 0.4 | | 0.1 |
| <i>Eremophea spinosa</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.1 | | 0.1 |
| <i>Euphorbia</i> ? <i>trigonosperma</i> | 0.4 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.1 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.1 |
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.2 |
| <i>Senna notabilis</i> | 0.4 | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa bubakii</i> | 0.2 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.2 | | 0.1 |
| <i>Swainsona decurrens</i> | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Trianthema cusackianum</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | | 0.5 |
| <i>Triodia longiceps</i> | 0.4 | | 3 |
| <i>Triraphis mollis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WE028
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313906.84E 7612393.36N
 Community: HG12
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite, Dolerite, Ironstone, Quartz and Chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.2 | | 2.5 |
| * <i>Aerva javanica</i> | 0.6 | 5 | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.2 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.6 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 10 | 0.7 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.5 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1.2 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.4 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.3 | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.6 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | 0.1 |
| <i>Solanum</i> sp. | 0.2 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.7 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus platypterus</i> | 1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 10 |
| <i>Triodia wiseana</i> | 0.3 | 1.5 |
| <i>Triumfetta chaetocarpa</i> | 0.9 | 1 |

PHOTO



Site Name: WE029
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313786.46E 7612001.18N
 Community: HG12
 Landform Type: Lower Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - Cattle
 Fire: ~5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 1.1 | 66 | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.6 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 1 | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.4 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.5 | | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.4 | | 0.5 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1 | | 0.1 |

| | | | |
|---|-----|---|-----|
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.4 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.3 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.2 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.6 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.6 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.8 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 2 | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.2 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 12 |
| <i>Triodia wiseana</i> | 0.3 | | 0.3 |
| <i>Triraphis mollis</i> | 0.5 | | 0.1 |
| <i>Triumfetta chaetocarpa</i> | 1.1 | | 0.2 |

PHOTO



Site Name: WE030
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 315071.86E 7614024.37N
 Community: HG5
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10
 Comments: Corners of quadrat capture minor drainage lines

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.3 | | 0.1 |
| <i>Acacia acradenia</i> | | | |
| <i>Acacia synchronicia</i> | 2.5 | | 2 |
| * <i>Aerva javanica</i> | 1 | 27 | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Amyema preissii</i> | | | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cynanchum floribundum</i> | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Eragrostis eriopoda</i> | | |
| <i>Euphorbia boophthona</i> | 1.1 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 0.5 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.5 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.2 |
| <i>Paspalidium tabulatum</i> | 0.4 | 0.1 |
| <i>Pluchea dentex</i> | 0.6 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.6 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.7 | 0.3 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 1.5 | 0.1 |
| <i>Senna symonii</i> | 0.7 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.2 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Swainsona decurrens</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 55 |
| <i>Triodia wiseana</i> | 0.3 | 2.5 |

PHOTO



Site Name: WE031
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 315661.28E 7613902.44N
 Community: HG5
 Landform Type: Other, Floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: 5-10
 Comments: Mechanical disturbance to the W, to the S (900 m) and to the NE (500 m)

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.4 | | 2 |
| <i>Acacia robeorum</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.8 | 10 | 0.2 |
| <i>Amyema preissii</i> | | | |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.2 |
| <i>Eriachne aristidea</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.1 |
| <i>Euphorbia</i> ? <i>trigonosperma</i> | 0.3 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Gossypium australe</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.6 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.2 |
| <i>Polycarpha holtzei</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Sclerolaena crenata</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.6 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 1.3 | | 0.1 |
| <i>Sida fibulifera</i> | 0.4 | | 0.2 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.1 | | 0.1 |
| <i>Solanum gabrielae</i> | | | |
| <i>Solanum lasiophyllum</i> | 0.5 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Swainsona decurrens</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 46 |
| <i>Triodia wiseana</i> | 0.3 | | 0.3 |

PHOTO



Site Name: WE032
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 315461.65E 7613063.34N
 Community: HG12
 Landform Type: Simple Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| <i>Acacia arida</i> | 2 | | 12 |
| * <i>Aerva javanica</i> | 1 | 30 | 0.7 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 40 | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Euphorbia careyi</i> | 0.3 | 0.3 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.2 | 0.1 |
| <i>Paspalidium clementii</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.2 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.2 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 6 |
| <i>Triodia wiseana</i> | 0.3 | 3 |
| <i>Triumfetta chaetocarpa</i> | 0.6 | 0.2 |

PHOTO



Site Name: WE033
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 316434.69E 7612103.76N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Lots of **Aerva javanica* to East on drill pad
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*
 Lower Stratum 2: *Heliotropium* aff. *argyreum* (potentially undescribed)

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.3 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.2 | | 0.2 |
| * <i>Aerva javanica</i> | 0.5 | 30 | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | 60 | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 2 | | 0.3 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 2.5 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 4 | | 2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 1.5 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.4 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.7 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.6 | | 0.1 |
| <i>Senna symonii</i> | 1.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.4 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 30 |
| <i>Triumfetta chaetocarpa</i> | | | |

PHOTO



Site Name: WE034
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 316074.81E 7611829.02N
 Community: HG12
 Landform Type: Drainage Line
 Slope Class: Steep (23 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds - Weeds= common
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*
 Mid Stratum 1: *Triumfetta chaetocarpa*
 Mid Stratum 2: *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618)
 Lower Stratum 1: **Cenchrus ciliaris*, *Corchorus* aff. *incanus* (potentially undescribed)

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) | 1.2 | | 3 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 1.1 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 7 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 45 |
| <i>Clerodendrum floribundum</i> | 3.5 | | 0.6 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 1 | 20 | 10 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 11 | 2.4 |
| <i>Cucumis variabilis</i> | | 0.2 |
| <i>Cynanchum floribundum</i> | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.4 | 0.2 |
| <i>Euphorbia boophthona</i> | 1 | 0.1 |
| <i>Euphorbia careyi</i> | 0.3 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | 2.5 | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.4 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.2 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.6 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.2 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus obovatus</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.8 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | 0.2 |
| <i>Sida fibulifera</i> | 0.6 | 0.1 |
| <i>Solanum gabrielae</i> | 0.6 | 0.1 |
| <i>Solanum horridum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 0.5 | 0.2 |
| <i>Tinospora smilacina</i> | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Triodia epactia</i> | 0.6 | 0.3 |
| <i>Triodia wiseana</i> | 0.5 | 1 |
| <i>Triumfetta chaetocarpa</i> | 1.3 | 3 |

PHOTO



Site Name: WE035
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 316119.68E 7612053.99N
 Community: HG12
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: orange-brown (other)
 Rock Outcrop: Dolomite And Dolerite (other), 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Waltheria virgata*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.2 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | | | |
| * <i>Aerva javanica</i> | 0.6 | 15 | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.6 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.5 |

| | | | |
|---|-----|---|-----|
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.4 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.6 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 16 |
| <i>Waltheria virgata</i> | 1 | | 2 |

PHOTO



Site Name: WE036
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 311951.77E 7608068N
 Community: W2
 Landform Type: Other, Flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Sand
 Soil Colour: Grey-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: River stones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - Cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix*
 Upper Stratum 2: *Melaleuca glomerata*
 Mid Stratum 1: *Atalaya hemiglauca*
 Lower Stratum 1: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon amplum</i> | 0.4 | | 0.1 |
| <i>Abutilon</i> sp. | 0.1 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5.5 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.3 | | 0.1 |
| <i>Acacia trachycarpa</i> | | | |
| <i>Achyranthes aspera</i> | 0.8 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Alternanthera angustifolia</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.6 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 8 | | 4 |
| <i>Boerhavia ?burbidgeana</i> | 0.2 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>*Cenchrus ciliaris</i> | 0.5 | | 1.1 |
| <i>*Cenchrus setiger</i> | 0.4 | | 0.2 |
| <i>*Citrullus amarus</i> | | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cyperus vaginatus</i> | 1.1 | | 10 |
| <i>*Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 0.3 | | 0.1 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 10 | | 40 |
| <i>Eucalyptus victrix</i> | 10 | | 10 |
| <i>Euphorbia ?trigonosperma</i> | 0.3 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.6 |
| <i>Melaleuca glomerata</i> | 4.5 | | 15 |
| <i>Pluchea rubelliflora</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.2 | | 0.1 |
| <i>Pterocaulon</i> sp. | 0.2 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Schoenoplectus subulatus</i> | 1.2 | | 1 |
| <i>Sesbania cannabina</i> | 0.2 | | 0.2 |
| <i>*Setaria verticillata</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa bubakii</i> | 0.2 | | 0.1 |
| <i>Streptoglossa decurrens</i> | | | |
| <i>Vigna lanceolata</i> var. <i>lanceolata</i> | | | 0.3 |

PHOTO



Site Name: WE037
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 312142.67E 7607911.32N
 Community: HG8
 Landform Type: Other, Floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - Cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia pyrifolia* var. *pyrifolia*
 Mid Stratum 2: *Acacia trachycarpa*
 Lower Stratum 1: **Aerva javanica*
 Lower Stratum 2: **Cenchrus ciliaris*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 1.7 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2 | | 12 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 2 | | 0.5 |
| <i>Acacia trachycarpa</i> | 2.5 | | 1.5 |
| * <i>Aerva javanica</i> | 0.9 | 150 | 10 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | | | |
| <i>Boerhavia ?burbidgeana</i> | 0.1 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.1 |
| <i>Bonamia media</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 5 |

| | | | |
|--|-----|--|-----|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.2 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia cusackiana</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 2 |

PHOTO



Site Name: WE038
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 313588.56E 7606892.65N
 Community: HG1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.6 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 0.3 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.2 | | 0.1 |
| <i>Acacia robeorum</i> | 0.4 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Cullen leucanthum</i> | 0.1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.7 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.8 | | 50 |
| <i>Triodia wiseana</i> | 0.3 | | 0.2 |

PHOTO



Site Name: WE039
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 314167.51E 7606652.74N
 Community: HG1
 Landform Type: Other, Crest/Upper slope (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (Dolomite dominated) (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.8 | | 1 |
| <i>Acacia robeorum</i> | 1.2 | | 3 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.1 |
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.2 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.4 | | 0.5 |
| <i>Triodia wiseana</i> | 0.3 | | 6 |

PHOTO



Site Name: WE040
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 314849.9E 7607580.27N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolerite And Dolomite (other), <2% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Limited Clearing - Mechanical disturbance
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.1 | | 1.5 |
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia robeorum</i> | 1.3 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.2 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.8 | | 0.3 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.6 | | 45 |
| <i>Triodia wiseana</i> | 0.3 | | 1 |

PHOTO



Site Name: WE041
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 318697.03E 7610583.98N
 Community: HG1
 Landform Type: Other, Mid/lower slope (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia brizoides*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.8 | | 0.1 |
| <i>Abutilon</i> cf. ?sp. Dioicum (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.8 | | 0.2 |
| <i>Acacia ptychophylla</i> | 0.3 | | 1 |
| <i>Acacia robeorum</i> | 0.5 | | 0.5 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Aristida contorta</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Fimbristylis simulans</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 0.5 |
| <i>Hibiscus coatesii</i> | 0.4 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Ptilotus obovatus</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.3 | 0.4 |
| <i>Senna sericea</i> | 0.8 | 0.3 |
| <i>Senna symonii</i> | 1 | 0.5 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia brizoides</i> | 0.2 | 8 |
| <i>Triodia epactia</i> | | 0.3 |
| <i>Triodia scintillans</i> | 0.2 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 2 |

PHOTO



Site Name: WE042
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 318938E 7611359.49N
 Community: HG8
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle
 Fire: ~5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 2 | | 2 |
| <i>Acacia trachycarpa</i> | 1.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | 1 | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Aristida contorta</i> | 0.2 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.7 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.2 | | 0.5 |
| <i>Enneapogon polyphyllus</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.5 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.2 |

| | | |
|---|-----|-----|
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Heliotropium heteranthum</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.2 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.6 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 0.9 | 0.2 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.5 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.2 | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Tragus australianus</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 12 |
| <i>Triodia wiseana</i> | 0.5 | 0.3 |

PHOTO



Site Name: WE043
 Site Type: QUADRAT
 Dimensions: 100m x 25m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 318764.66E 7611255.56N
 Community: HG8
 Landform Type: Other, Flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle
 Fire: >10
 Comments: Flow line splits towards the east at waypoint 672

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*
 Mid Stratum 2: *Grevillea wickhamii* subsp. *hispidula*, *Petalostylis labicheoides*
 Lower Stratum 1: *Paraneurachne muelleri*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.3 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.6 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 1.6 | | 10 |
| <i>Acacia inaequilatera</i> | 1.3 | | 0.6 |
| * <i>Aerva javanica</i> | 1.1 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.5 |
| <i>Bonamia media</i> | | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | 0.5 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 1.3 | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.2 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 1.4 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.7 | 1.5 |
| <i>Indigofera monophylla</i> | 0.5 | 0.2 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.4 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 8 |
| <i>Paspalidium tabulatum</i> | 0.4 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.4 | 1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.7 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | 0.1 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 1.2 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida arenicola</i> | 0.6 | 0.2 |
| <i>Sida ?echinocarpa</i> | 0.6 | 0.3 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.4 | 0.1 |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | 0.5 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.6 |
| <i>Triodia epactia</i> | 0.5 | 1.5 |
| <i>Triodia scintillans</i> | 0.3 | 0.3 |

PHOTO



Site Name: WE044
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 318568.08E 7611284.79N
 Community: HG8
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle
 Fire: 5 -10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.7 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.6 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 0.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2 | | 2 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.3 | 1 | 0.1 |
| <i>Aristida contorta</i> | 0.2 | | 0.5 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Boerhavia ?burbidgeana</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Dysphania rhadinostachya</i> | 0.1 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.3 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 1 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | |
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | 0.5 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Senna sericea</i> | 0.3 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.5 | 0.2 |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | 0.7 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.8 |
| <i>Triodia epactia</i> | 0.5 | 28 |
| <i>Triodia wiseana</i> | 0.4 | 6 |

PHOTO



Site Name: WE045
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/05/2021
 GPS Location: GDA94 Zone 51 317276.59E 7612990.44N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: N
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Quartz (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 5-10
 Comments: Existing drill pad disturbance to the SE, NW and NNW

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Triodia scintillans*
 Lower Stratum 2: *Acacia ptychophylla*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 3 | | 2.5 |
| <i>Acacia ptychophylla</i> | 0.4 | | 2 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 0.1 |
| <i>Dampiera candidans</i> | 0.4 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.6 | | 0.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.8 | | 0.5 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.7 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | | 30 |

PHOTO



Site Name: WE046
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 313032.01E 7600574.64N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: N
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Types: Dolerite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 2-3

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Acacia arida*
 Lower Stratum 2: *Corchorus lasiocarpus* subsp. *lasiocarpus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.4 | | 2 |
| <i>Acacia bivenosa</i> | 0.2 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 1.5 |
| <i>Dampiera candicans</i> | 0.4 | | 0.3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.8 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.3 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |

| | | | |
|--|-----|----|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.8 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.8 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.9 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.6 | | 1 |
| <i>Ptilotus exaltatus</i> | 0.6 | | 0.4 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 0.4 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.8 |
| <i>Tephrosia supina</i> | 0.1 | | 0.3 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.4 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 50 | 0.4 |
| <i>Triodia scintillans</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.1 | | 0.5 |

PHOTO



Site Name: WE047
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312790.55E 7601018.64N
 Community: HG7
 Landform Type: Other, floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Ironstone, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 2-3

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Corchorus sidoides* subsp. *sidoides*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia arida</i> | 0.2 | | 0.2 |
| <i>Acacia bivenosa</i> | 0.1 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.2 |
| <i>Chrysopogon fallax</i> | 1 | | 0.8 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.4 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.8 | | 2 |
| <i>Corymbia hamersleyana</i> | 4.5 | | 0.5 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dampiera candidans</i> | 0.3 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.8 | | 0.2 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.2 | | 0.1 |
| <i>Euphorbia clementii</i> (P3) | 0.3 | 6 | 0.1 |

| | | |
|--|-----|-----|
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.2 |
| <i>Gossypium australe</i> | 0.5 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.2 | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.5 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.6 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.4 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.3 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.2 |
| <i>Ptilotus clementii</i> | 0.5 | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.8 | 0.5 |
| <i>Scaevola spinescens</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.7 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Senna symonii</i> | 0.6 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | 1 |

PHOTO



Site Name: WE048
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312263.4E 7610877.92N
 Community: HG9
 Landform Type: Flat
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: beige (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| * <i>Aerva javanica</i> | 0.3 | 5 | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Eragrostis dielsii</i> | 0.1 | | 0.1 |
| <i>Eremophea spinosa</i> | 0.2 | | 0.1 |
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Maireana melanocoma</i> | 0.2 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.1 | | 0.1 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.2 | | 1 |
| <i>Sclerolaena crenata</i> | 0.2 | | 1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.3 |
| <i>Sporobolus actinocladus</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.9 |
| <i>Triodia epactia</i> | 0.5 | | 0.5 |
| <i>Triodia longiceps</i> | 1 | | 0.1 |

PHOTO



Site Name: WE049
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312171.62E 7610408.88N
 Community: HG4
 Landform Type: Other, floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds - high abundance , Animal Disturbance - cattle
 Fire: >10
 Comments: Old discharge point

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Pluchea rubelliflora*
 Lower Stratum 2: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 1.1 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 1 | 10 | 0.2 |
| <i>Ammannia baccifera</i> | 0.4 | | 1 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 0.3 |
| * <i>Cenchrus setiger</i> | 0.3 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.7 | | 0.3 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cyperus difformis</i> | 0.5 | | 0.2 |
| <i>Cyperus vaginatus</i> | 0.6 | | 30 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.2 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Paspalidium clementii</i> | 0.5 | | 0.1 |

| | | | |
|------------------------------------|-----|--|-----|
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.4 | | 45 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| ? <i>Schoenoplectus subulatus</i> | 0.4 | | 0.3 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | | 0.2 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Stemodia viscosa</i> | 0.4 | | 1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | | 0.1 |
| * <i>Vachellia farnesiana</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WE050
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312011.31E 7612041.92N
 Community: HG4
 Landform Type: Flat
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.4 | 1 | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 1 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 0.1 | | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.8 | | 1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.1 |
| <i>Sclerolaena crenata</i> | 0.3 | | 0.4 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Streptoglossa decurrens</i> | 0.2 | | 0.2 |
| <i>Tephrosia supina</i> | 0.1 | | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.5 |
| <i>Triodia epactia</i> | 0.4 | | 30 |

PHOTO



Site Name: WE051
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312215.01E 7611768.23N
 Community: HG8
 Landform Type: Plain
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Sand
 Soil Colour: beige (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Types: calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Abutilon lepidum</i> | 0.2 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | 15 | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Boerhavia ?burbidgeana</i> | 0.1 | | 0.2 |
| <i>Bonamia media</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.5 |
| <i>Chrysopogon fallax</i> | 1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.4 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.5 |

| | | |
|--|-----|-----|
| <i>Euphorbia ?trigonosperma</i> | 0.3 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.2 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.3 | 0.4 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.8 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | 0.6 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.2 |
| <i>Ptilotus clementii</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Sclerolaena costata</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.3 |
| <i>Sida fibulifera</i> | 0.2 | 0.3 |
| <i>Solanum diversiflorum</i> | 0.4 | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.3 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Swainsona decurrens</i> | 0.1 | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | 0.2 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | 1 |
| <i>Triodia epactia</i> | 0.5 | 0.5 |
| <i>Triodia wiseana</i> | 0.2 | 15 |
| <i>Triraphis mollis</i> | 0.2 | 0.1 |

PHOTO



Site Name: WE052
 Site Type: QUADRAT
 Dimensions: 16m x 156m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 313693.89E 7618219.43N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sand
 Soil Colour: Red
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Minor drainage line between simple slopes

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia trachycarpa*
 Mid Stratum 2: *Acacia ancistrocarpa*, *Acacia colei* var. *colei*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 2 | | 6 |
| <i>Acacia colei</i> var. <i>colei</i> | 1.7 | | 4 |
| <i>Acacia hilliana</i> | 1.1 | | 0.5 |
| <i>Acacia inaequilatera</i> | 2.3 | | 0.5 |
| <i>Acacia trachycarpa</i> | 4 | | 1.5 |
| * <i>Aerva javanica</i> | 1.2 | 30 | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia media</i> | | | 0.2 |

| | | |
|--|-----|-----|
| <i>Bulbostylis barbata</i> | 0.1 | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | 0.1 |
| * <i>Citrullus amarus</i> | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | 0.4 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | 2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | 0.2 |
| <i>Cucumis variabilis</i> | | 0.6 |
| <i>Cullen stipulaceum</i> | 0.1 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 1.1 | 0.4 |
| <i>Dampiera candicans</i> | 0.4 | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.4 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.7 | 0.1 |
| <i>Euphorbia</i> ? <i>trigonosperma</i> | 0.3 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.8 | 0.2 |
| <i>Gossypium australe</i> | 1.2 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1 | 0.6 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.2 |
| <i>Indigofera linnaei</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.8 | 0.8 |
| * <i>Malvastrum americanum</i> | 0.4 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.8 | 0.1 |
| <i>Paspalidium clementii</i> | 0.4 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.2 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.2 |
| <i>Pterocaulon sphacelatum</i> | 0.2 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.6 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.3 |
| <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> | 0.2 | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.5 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.3 | | 0.2 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida arenicola</i> | 0.5 | | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.4 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.1 |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | 0.6 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1 | | 0.4 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Tinospora smilacina</i> | | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.3 | | 0.2 |
| <i>Trianthema pilosum</i> | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | | 0.5 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 1 | | 35 |
| <i>Triodia scintillans</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.8 | | 12 |
| <i>Waltheria virgata</i> | 1 | | 0.1 |

PHOTO



Site Name: WE053
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 312884.36E 7618266.66N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), >50% bedrock exposed
 CF Abundance: >90%
 CF Types: Dolerite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 5-10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Mid Stratum 2: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 0.5 |
| <i>Acacia inaequilatera</i> | 2 | | 2 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.8 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 6 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.3 | | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.8 | | 0.1 |
| <i>Euphorbia boophthona</i> | 1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Goodenia stobbsiana</i> | 0.8 | | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.2 | | 1.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.4 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.2 | | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | | | |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.2 |
| <i>Triodia epactia</i> | 0.4 | | 10 |
| <i>Triodia scintillans</i> | 0.3 | | 0.4 |
| <i>Triumfetta chaetocarpa</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WE054
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 313474.71E 7617819.47N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Ironstone (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Mid Stratum 2: *Calytrix carinata*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 1 |
| <i>Acacia hilliana</i> | 0.5 | | 1 |
| <i>Acacia inaequilatera</i> | 1.4 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 1.4 | | 2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | | | |
| <i>Dampiera candicans</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.3 | | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.3 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |

| | | |
|--|-----|------|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3 | 5 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.7 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.7 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.2 |
| <i>Triodia epactia</i> | 0.4 | 15.2 |
| <i>Waltheria virgata</i> | 1 | 0.1 |

PHOTO



Site Name: WE055
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 314435.72E 7606325.74N
 Community: HG2
 Landform Type: Crest
 Slope Class: Steep (23 degrees)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Calcrete, Chert (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: calcrete, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.3 | | 0.5 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.1 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | | | |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Dampiera candicans</i> | 0.3 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleascens</i> | 0.3 | | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.4 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.4 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.7 | | 2 |

| | | | |
|--|-----|----|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.3 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.2 |
| <i>Lepidium amelum</i> (P1) | 0.4 | 10 | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.3 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 2 | | 0.4 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.2 |
| <i>Ptilotus obovatus</i> | 1 | | 0.3 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.4 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 5 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 0.8 |
| <i>Triodia scintillans</i> | 0.3 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 40 |

PHOTO



Site Name: WE056
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 314590.04E 7606060.2N
 Community: HG2
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Sandy Clay Loam
 Soil Colour: orange brown (other)
 Rock Outcrop: Calcrete, Chert (other), <2% bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: calcrete, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: 5-10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.4 | | 0.5 |
| <i>Acacia robeorum</i> | 0.2 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.2 |
| <i>Eriachne aristidea</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Goodenia pedicellata</i> (P1) | 0.1 | 25 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 0.4 | | 0.1 |
| <i>Senna symonii</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia muricata</i> | 0.1 | | 0.1 |
| <i>Streptoglossa bubakii</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 22 |

PHOTO



Site Name: WEREV001
 Site Type: RELEVE
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 315331.14E 7600406.94N
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: beige (other)
 Rock Outcrop: Chert (other), <2% bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance
 Fire: <18 months
 Comments: Very recently burnt (Acacia skeletons remaining), veg similar to WE006. Some
 **Cenchrus ciliaris* and cattle activity, but overall veg structure not impacted

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | 1 | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.4 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.4 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.1 |
| <i>Dissocarpus paradoxus</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.1 |
| <i>Euphorbia ?trigonosperma</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 0.2 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.1 | | 0.5 |

PHOTO



Site Name: WEREV003
 Site Type: RELEVE
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 319590.41E 7603727.15N
 Landform Type: Other, Flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds
 Fire: >5
 Habitat: Flowline within undulating valley with high weed cover and relatively low diversity

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Petalostylis labicheoides*
 Mid Stratum 2: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.2 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 0.8 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.3 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.3 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 35 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.5 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Indigofera linnaei</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 2 | | 20 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | | | |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | | | |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | | 0.2 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.1 |

PHOTO



Site Name: WEREV004
 Site Type: RELEVE
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313157.61E 7611704.22N
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Grazing, Exotic Weeds, Animal Disturbance - Cattle
 Fire: ~5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Mid Stratum 2: *Acacia synchronicia*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 3 | | 2 |
| <i>Acacia synchronicia</i> | 1.5 | | 1 |
| * <i>Aerva javanica</i> | 1 | | 0.3 |
| <i>Arivela viscosa</i> | 1.1 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 65 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.5 |

PHOTO



Site Name: WEREV005
 Site Type: RELEVE
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 314838.73E 7607291.57N
 Landform Type: Hillock
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Dark brown (other)
 Rock Outcrop: Chert (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Limited Clearing - Mechanical disturbance , Exotic Weeds
 Fire: >10
 Comments: Proposed Quadrat 203 located on drillpad. Releve = 50 m west of PQ203 on hillock with extensive recent mining activity to the north, east and flowline to the south-south-west.

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | | | |
| * <i>Aerva javanica</i> | | | |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | | | |
| * <i>Cenchrus ciliaris</i> | | | |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Cucumis variabilis</i> | | | |
| <i>Enneapogon caeruleus</i> | | | |
| <i>Euphorbia boophthona</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Petalostylis labicheoides</i> | | | |
| <i>Triodia wiseana</i> | | | |

PHOTO



Site Name: WJ001
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/03/2021
 GPS Location: GDA94 Zone 51 317214.42E 7598627.64N
 Community: HG5
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.01 |
| <i>Acacia synchronicia</i> | 3.2 | | 9 |
| * <i>Aerva javanica</i> | 0.3 | | 0.01 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.01 |
| <i>Bonamia media</i> | 0.1 | | 0.01 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.01 |
| <i>Corchorus</i> sp. | 0.1 | | 0.01 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Cynodon prostratus</i> | | | |
| <i>Dactyloctenium radulans</i> | | | |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.01 |
| <i>Euphorbia boophthona</i> | 0.2 | | 0.01 |
| <i>Euphorbia trigonosperma</i> | 0.2 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | | 0.01 |
| <i>Goodenia muelleriana</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | | | |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.01 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.01 |

| | | | |
|--|-----|--|------|
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Rhagodia eremaea</i> | 1 | | 0.02 |
| <i>Sclerolaena cornishiana</i> | | | |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.02 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | | 0.02 |
| <i>Senna notabilis</i> | 0.1 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.02 |
| <i>Triodia wiseana</i> | 0.3 | | 33 |

PHOTO



Site Name: WJ002
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 317940.92E 7594110.84N
 Community: TG1
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Ironstone, colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Habitat: Sparse *Acacia* and *Hakea* shrubland over **Cenchrus ciliaris*
 Comments: Some dead Acacias present

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3 | | 1.5 |
| <i>Acacia synchronicia</i> | 3 | | 3 |
| <i>Acacia trachycarpa</i> | 3 | | 0.8 |
| * <i>Aerva javanica</i> | 0.4 | | 0.02 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.05 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| <i>Carissa lanceolata</i> | 1.8 | | 0.4 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 36 |
| <i>Corchorus laniflorus</i> | | | |
| <i>Corchorus</i> ? <i>lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.01 |
| <i>Corchorus tridens</i> | 0.1 | | 0.01 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.01 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | | 1.8 |
| <i>Indigofera colutea</i> | 0.1 | | 0.01 |
| <i>Ipomoea muelleri</i> | 0.02 | | 0.01 |
| <i>Ipomoea polymorpha</i> | 0.2 | | 0.01 |

| | | | |
|--|-----|--|------|
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.01 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.3 | | 0.01 |
| <i>Pluchea tetranthera</i> | | | |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.01 |
| <i>Rhynchosia minima</i> | 0.2 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.01 |
| <i>Triodia wiseana</i> | 0.3 | | 8 |

PHOTO



Site Name: WJ003
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 318100.81E 7594015N
 Community: HG3
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolerite, Ironstone, calcrete, colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia synchronicia</i> | 1.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.01 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.04 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.03 |
| * <i>Citrullus amarus</i> | 0.1 | | 0.01 |
| <i>Dactyloctenium radulans</i> | 0.2 | | 0.02 |
| <i>Dissocarpus paradoxus</i> | 0.1 | | 0.01 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.01 |
| <i>Eriachne obtusa</i> | 0.4 | | 0.01 |
| <i>Sclerolaena costata</i> | 0.1 | | 0.01 |
| <i>Sporobolus actinocladus</i> | 0.4 | | 10 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.04 |
| <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i> | 0.1 | | 0.03 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.04 |
| <i>Triodia wiseana</i> | 0.3 | | 0.01 |

PHOTO



Site Name: WJ004
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 317673.19E 7594065.05N
 Community: HG4
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Ironstone, colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.01 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.01 |
| <i>Acacia robeorum</i> | 1 | | 0.01 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3 | | 0.4 |
| <i>Acacia synchronicia</i> | 3.7 | | 4.5 |
| * <i>Aerva javanica</i> | 0.4 | | 0.02 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 6 |
| <i>Corchorus ?lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.01 |
| <i>Corchorus tridens</i> | 0.1 | | 0.01 |
| <i>Corymbia hamersleyana</i> | 4.5 | | 0.3 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.01 |
| <i>Cucumis variabilis</i> | | | 0.03 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.02 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Euphorbia boophthona</i> | 0.3 | | 0.01 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.01 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | 0.3 | | 0.01 |

| | | | |
|---|-----|--|------|
| <i>Ipomoea polymorpha</i> | 0.2 | | 0.01 |
| <i>Melhania oblongifolia</i> | 0.1 | | 0.01 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.02 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.2 | | 0.01 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.02 |
| <i>Polymeria mollis</i> | 0.1 | | 0.01 |
| <i>Pterocaulon</i> sp. | 0.1 | | 0.01 |
| <i>Rhynchosia minima</i> | 0.3 | | 0.02 |
| <i>Senna notabilis</i> | 0.1 | | 0.01 |
| <i>Senna symonii</i> | 1.5 | | 0.01 |
| <i>Solanum</i> sp. | 0.1 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.02 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.01 |
| <i>Triodia wiseana</i> | 0.4 | | 36 |

PHOTO



Site Name: WJ005
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 318007.72E 7597169.55N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: ENE
 Soil Type: Loam
 Soil Colour: Red
 Rock Outcrop: Chert (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle, (other) - rehabilitated track nearby
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 1.8 | | 0.02 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 0.15 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.01 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.01 |
| <i>Paraneurachne muelleri</i> | 0.5 | | 0.01 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.01 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.01 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.5 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | | 0.3 |
| <i>Senna notabilis</i> | 0.1 | | 0.01 |
| <i>Senna sericea</i> | 1.5 | | 0.03 |
| <i>Senna symonii</i> | 1.5 | | 0.02 |
| <i>Sida ?echinocarpa</i> | 0.4 | | 0.02 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.01 |
| <i>Triodia wiseana</i> | 0.5 | | 36 |

PHOTO



Site Name: WJ006
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 317106.56E 7597407.21N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: Calcareous Stone (other), <2% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, chert, colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: 5 - 10 yrs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | | | |
| <i>Acacia bivenosa</i> | 1.6 | | 0.3 |
| <i>Acacia maitlandii</i> | | | |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.8 | | 0.01 |
| <i>Acacia robeorum</i> | 1.8 | | 1 |
| <i>Acacia trachycarpa</i> | 1.2 | | 0.01 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| <i>Arivela viscosa</i> | 0.5 | | 0.01 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.6 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.01 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.01 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.01 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Euphorbia boophthona</i> | 0.4 | | 0.01 |
| <i>Goodenia microptera</i> | 0.1 | | 0.01 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.01 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.01 |
| <i>Gossypium australe</i> | 0.6 | | 0.01 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.9 | | 0.01 |

| | | | |
|--|-----|--|------|
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.05 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.01 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.01 |
| <i>Polymeria mollis</i> | 0.1 | | 0.02 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.01 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.01 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.01 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.01 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.01 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.02 |
| <i>Ptilotus helipteroides</i> | 0.2 | | 0.01 |
| <i>Rhynchosia minima</i> | 0.2 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.7 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.5 | | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.9 | | 0.01 |
| <i>Senna notabilis</i> | 0.1 | | 0.01 |
| <i>Senna symonii</i> | 0.8 | | 0.03 |
| <i>Sida ?echinocarpa</i> | 0.4 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.5 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.01 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.01 |
| <i>Triodia wiseana</i> | 0.3 | | 22 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.01 |

PHOTO



Site Name: WJ007
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 317384.34E 7597411.05N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: clay loam river banks (other)
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium of chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon cunninghamii</i> | 1 | | 0.01 |
| <i>Acacia ancistrocarpa</i> | 3 | | 0.02 |
| <i>Acacia arida</i> | 2.5 | | 1.8 |
| <i>Acacia bivenosa</i> | 2 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 0.2 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3 | | 0.2 |
| <i>Acacia trachycarpa</i> | 5 | | 4 |
| <i>Acacia trachycarpa</i> x <i>tumida</i> var. <i>pilbarensis</i> | 3.5 | | 1.5 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.2 | | 0.05 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.01 |
| <i>Arivela viscosa</i> | 0.5 | | 0.01 |
| <i>Atalaya hemiglauca</i> | 3 | | 1.2 |
| <i>Bonamia erecta</i> | 0.3 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 16 |
| <i>Chrysopogon fallax</i> | 0.7 | | 0.9 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.01 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.07 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Cymbopogon ambiguus</i> | 1 | | 0.02 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.06 |
| <i>Eucalyptus victrix</i> | 11 | | 8 |

| | | |
|--|-----|------|
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | 0.3 |
| <i>Euphorbia trigonosperma</i> | 0.4 | 0.01 |
| <i>Gossypium robinsonii</i> | 1.4 | 0.06 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | 0.02 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.08 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.01 |
| <i>Indigofera monophylla</i> | 0.9 | 0.4 |
| <i>Ipomoea polymorpha</i> | 0.2 | 0.01 |
| <i>Isotropis atropurpurea</i> | 0.3 | 0.01 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.02 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.01 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | 0.01 |
| <i>Petalostylis labicheoides</i> | 1.5 | 0.04 |
| <i>Phyllanthus maderaspatensis</i> | 0.6 | 0.02 |
| <i>Polymeria mollis</i> | 0.1 | 0.02 |
| <i>Ptilotus auriculifolius</i> | 0.2 | 0.01 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | 0.01 |
| <i>Senna notabilis</i> | 0.2 | 0.01 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.01 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.02 |
| <i>Themeda triandra</i> | 0.8 | 0.08 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.01 |
| <i>Triodia epactia</i> | 0.4 | 1 |
| <i>Triodia longiceps</i> | 0.6 | 0.8 |
| <i>Triodia wiseana</i> | 0.4 | 0.7 |

PHOTO



Site Name: WJ008
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 318890.98E 7593356.46N
 Community: HG10
 Landform Type: Lower Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 1 | | 0.8 |
| <i>Acacia arida</i> | | | |
| <i>Acacia inaequilatera</i> | 3.2 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.02 |
| <i>Aristida contorta</i> | 0.2 | | 0.02 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.07 |
| * <i>Cenchrus ciliaris</i> | | | |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 9 |
| <i>Enneapogon caeruleus</i> | 0.2 | | 0.03 |
| <i>Enneapogon polyphyllus</i> | 0.3 | | 0.03 |
| <i>Eriachne aristidea</i> | 0.2 | | 0.01 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.2 | | 0.01 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.03 |
| <i>Goodenia microptera</i> | 0.2 | | 0.01 |
| <i>Gossypium robinsonii</i> | 1.5 | | 0.02 |
| <i>Indigofera monophylla</i> | 0.5 | | 15 |

| | | | |
|---|-----|--|------|
| <i>Iseilema dolichotrichum</i> | 0.1 | | 0.01 |
| <i>Paraneurachne muelleri</i> | | | |
| <i>Paspalidium clementii</i> | 0.2 | | 0.01 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.04 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.01 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.01 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.01 |
| <i>Schizachyrium fragile</i> | 0.2 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.1 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.02 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.2 | | 0.01 |
| <i>Sida echinocarpa</i> | 0.5 | | 2.5 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.01 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.01 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.7 | | 0.02 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.06 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.02 |
| <i>Triodia brizoides</i> | 0.2 | | 7 |

PHOTO



Site Name: WJ009
 Site Type: QUADRAT
 Dimensions: 7.5m x 333m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 318569.47E 7593256.58N
 Community: S2
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Creek bed approximately 2 m wide

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2.2 | | 1.2 |
| <i>Acacia arida</i> | 1.6 | | 3 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.05 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 3 |
| <i>Acacia trachycarpa</i> | 1.2 | | 1.5 |
| <i>Acacia trachycarpa</i> x <i>tumida</i> var. <i>pilbarensis</i> | 1.7 | | 0.01 |
| <i>Alysicarpus muelleri</i> | 0.5 | | 0.01 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.05 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 40 |
| <i>Chrysopogon fallax</i> | 0.4 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Eriachne mucronata</i> | 0.3 | | 0.02 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.01 |
| <i>Gossypium australe</i> | 1.5 | | 4 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2 | | 0.07 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | | 0.01 |

| | | | |
|--|-----|--|------|
| <i>Indigofera monophylla</i> | 0.6 | | 0.08 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.01 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.01 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.01 |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.01 |
| <i>Rhynchosia minima</i> | | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.7 | | 0.02 |
| <i>Stemodia grossa</i> | 0.4 | | 0.01 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | | 0.05 |
| <i>Themeda triandra</i> | 0.5 | | 0.6 |

PHOTO



Site Name: WJ010
 Site Type: QUADRAT
 Dimensions: 35m x 70m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 317237.34E 7597969.58N
 Community: W2
 Landform Type: FL-flowline (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: colluvium, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3.2 | | 0.3 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.5 | | 0.02 |
| <i>Acacia trachycarpa</i> | 3.5 | | 1.2 |
| * <i>Aerva javanica</i> | 0.1 | | 0.01 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.01 |
| <i>Amaranthus undulatus</i> | 0.2 | | 0.01 |
| <i>Ammannia baccifera</i> | 0.3 | | 0.03 |
| <i>Ammannia multiflora</i> | 0.3 | | 0.01 |
| <i>Arivela viscosa</i> | 0.3 | | 0.01 |
| <i>Atalaya hemiglauca</i> | 2 | | 1 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.04 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.01 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.01 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 1.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 5 |
| * <i>Citrullus amarus</i> | 0.1 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.01 |
| <i>Corchorus tridens</i> | 0.1 | | 0.01 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Cymbopogon ambiguus</i> | 1.3 | | 0.3 |
| <i>Cyperus iria</i> | 0.1 | | 0.01 |
| <i>Cyperus squarrosus</i> | 0.1 | | 0.01 |

| | | |
|---|-----|------|
| <i>Cyperus vaginatus</i> | 0.7 | 0.6 |
| <i>Enneapogon lindleyanus</i> | 0.4 | 0.01 |
| <i>Eragrostis tenellula</i> | 0.2 | 0.02 |
| <i>Eriachne benthamii</i> | 0.6 | 0.02 |
| <i>Eriachne mucronata</i> | 0.4 | 0.02 |
| <i>Eucalyptus victrix</i> | 12 | 18 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.02 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.01 |
| <i>Gossypium robinsonii</i> | 0.5 | 0.01 |
| <i>Indigofera monophylla</i> | 0.6 | 0.01 |
| <i>Ipomoea muelleri</i> | | 0.01 |
| <i>Melaleuca glomerata</i> | 3.4 | 2 |
| <i>Najas marina</i> | | 0.02 |
| <i>Phyllanthus maderaspatensis</i> | 0.5 | 0.02 |
| <i>Pluchea rubelliflora</i> | 0.2 | 0.01 |
| <i>Polycarpaea ?longiflora</i> | 0.1 | 0.01 |
| <i>Polymeria mollis</i> | 0.1 | 0.01 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.01 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Santalum lanceolatum</i> | 0.9 | 0.01 |
| <i>Senna notabilis</i> | 0.1 | 0.01 |
| <i>Sesbania cannabina</i> | 0.4 | 0.01 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.01 |
| <i>Stemodia grossa</i> | 0.4 | 0.02 |
| <i>Stemodia viscosa</i> | 0.2 | 0.01 |
| <i>Themeda triandra</i> | 0.6 | 0.04 |
| <i>Triodia epactia</i> | 0.4 | 0.3 |
| <i>Triodia longiceps</i> | 0.7 | 0.02 |
| <i>Triodia wiseana</i> | 0.3 | 0.4 |

PHOTO



Site Name: WJ011
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 317490.65E 7593806.61N
 Community: HG12
 Landform Type: Crest, upper slope (other)
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: WSW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.6 | | 2.5 |
| * <i>Aerva javanica</i> | 0.6 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.01 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.04 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 2.4 | | 0.05 |
| <i>Cucumis variabilis</i> | | | 0.01 |
| <i>Cymbopogon ambiguus</i> | 0.7 | | 0.01 |
| <i>Cynanchum floribundum</i> | | | 0.03 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.02 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | 0.02 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.3 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | | | |
| <i>Ptilotus obovatus</i> | 0.5 | | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.02 |

| | | | |
|--|-----|--|------|
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.02 |
| <i>Senna symonii</i> | 1 | | 0.02 |
| <i>Solanum horridum</i> | 0.3 | | 0.01 |
| <i>Triodia wiseana</i> | 0.4 | | 40 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.07 |

PHOTO



Site Name: WJ012
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 318906.87E 7599358.55N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: colluvium, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: <5
 Comments: Water erosion evident

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.01 |
| <i>Abutilon otocarpum</i> | 0.4 | | 0.01 |
| <i>Acacia ancistrocarpa</i> | 4 | | 10 |
| <i>Acacia bivenosa</i> | 1.6 | | 0.05 |
| <i>Acacia colei</i> var. <i>colei</i> | 3 | | 0.25 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3 | | 0.02 |
| <i>Acacia hilliana</i> | 0.5 | | 0.02 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.02 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 3 |
| <i>Alysicarpus muelleri</i> | 0.5 | | 0.01 |
| <i>Arivela viscosa</i> | 0.1 | | 0.01 |
| <i>Bonamia erecta</i> | 0.4 | | 3 |
| <i>Bonamia media</i> | 0.2 | | 1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 2.6 |
| <i>Chrysopogon fallax</i> | 1 | | 4 |
| * <i>Citrullus amarus</i> | 0.1 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.02 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 7 |
| <i>Corymbia hamersleyana</i> | 4.2 | | 0.6 |

| | | |
|---|-----|------|
| <i>Cullen stipulaceum</i> | | |
| <i>Cymbopogon ambiguus</i> | 0.8 | 0.02 |
| <i>Cynodon convergens</i> | 0.2 | 0.01 |
| <i>Dodonaea coriacea</i> | 1 | 0.01 |
| <i>Eragrostis olida</i> | 0.3 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.4 | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | 1.5 |
| <i>Goodenia microptera</i> | 0.2 | 0.01 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.05 |
| <i>Gossypium australe</i> | 0.7 | 0.01 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | 0.01 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.01 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 6 |
| <i>Indigofera monophylla</i> | 0.6 | 0.02 |
| <i>Ipomoea polymorpha</i> | 0.2 | 0.01 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.01 |
| <i>Mirbelia viminalis</i> | 1.3 | 0.01 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.01 |
| <i>Paraneurachne muelleri</i> | 0.4 | 6.8 |
| <i>Paspalidium rarum</i> | 0.2 | 0.01 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.01 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | | |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.01 |
| <i>Ptilotus clementii</i> | 0.5 | 0.01 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.01 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | 0.01 |
| <i>Senna notabilis</i> | 0.3 | 0.01 |
| <i>Senna symonii</i> | 0.9 | 0.01 |
| <i>Seringia nephrosperma</i> | 1 | 0.01 |
| <i>Sida arenicola</i> | 0.5 | 0.01 |
| <i>Solanum gabrielae</i> | 0.7 | 0.03 |
| <i>Solanum horridum</i> | 0.3 | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.02 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.01 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.01 |
| <i>Themeda triandra</i> | 0.8 | 0.04 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 4 |
| <i>Triodia scintillans</i> | 0.3 | 4 |
| <i>Triumfetta chaetocarpa</i> | | |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.01 |

PHOTO



Site Name: WJ013
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 318732.75E 7598924.05N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5
 Comments: Very sparse and low vegetation

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.01 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.02 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.01 |
| <i>Dampiera candicans</i> | 0.5 | | 0.12 |
| <i>Dodonaea coriacea</i> | 0.4 | | 0.01 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.01 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.02 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.01 |
| <i>Sida arenicola</i> | 1.3 | | 0.02 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.01 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.01 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.01 |
| <i>Triodia scintillans</i> | 0.2 | | 6 |

PHOTO



Site Name: WJ014
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/04/2021
 GPS Location: GDA94 Zone 51 315855.16E 7604589.68N
 Community: HG4
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium, dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >5
 Habitat: Open shrubland over tussock grassland

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 0.6 |
| <i>Acacia robeorum</i> | | | |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | | | |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.3 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.4 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|---|-----|
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | | 0.1 |
| <i>Lawrenzia densiflora</i> | 0.1 | | 0.1 |
| <i>Lepidium amelum</i> (P1) | 0.5 | 1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Pluchea dentex</i> | 0.2 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus ?exaltatus</i> | 0.1 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Scaevola spinescens</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |
| <i>Sida fibulifera</i> | | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.2 | | 0.1 |
| <i>Streptoglossa bubakii</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | | 50 |
| <i>Triodia wiseana</i> | 0.5 | | 0.2 |

PHOTO



Site Name: WJ015
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319726.87E 7602554.25N
 Community: HG7
 Landform Type: FL-flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10
 Habitat: Minor flowline surrounded by stony plains, shrubland over hummock grassland

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.5 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 3.4 | | 3 |
| <i>Acacia bivenosa</i> | 2 | | 5 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.7 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.5 | | 0.3 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.7 | | 0.1 |
| <i>Euphorbia clementii</i> (P3) | 0.3 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Hibiscus brachychlaenus</i> | 0.5 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.6 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.5 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 1.8 |
| <i>Petalostylis labicheoides</i> | 0.9 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | | 35 |
| <i>Triodia wiseana</i> | 0.4 | | 10 |

PHOTO



Site Name: WJ016
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 320229.03E 7602650.24N
 Community: HG10
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Dolerite, >50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.7 | | 0.2 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | | | |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.9 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.2 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.3 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.6 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.6 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | | | |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | | 1.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.2 | | 0.6 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | | 0.1 |
| <i>Sida</i> ? <i>clementii</i> | 0.5 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia densa</i> | 0.3 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia brizoides</i> | 0.3 | | 14 |

PHOTO



Site Name: WJ017
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319771.86E 7603433.42N
 Community: HG1
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Quartz, <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.5 | | 0.6 |
| <i>Acacia robeorum</i> | 0.5 | | 0.4 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna sericea</i> | | | |
| <i>Senna symonii</i> | 0.8 | | 0.5 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.2 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.8 | | 6 |
| <i>Triodia wiseana</i> | 0.2 | | 0.1 |

PHOTO



Site Name: WJ018
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319544.85E 7603765.18N
 Community: HG7
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvial chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Petalostylis labicheoides*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.5 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.9 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.8 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 0.5 |
| <i>Acacia robeorum</i> | 35 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.5 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 16 |
| <i>Chrysopogon fallax</i> | 0.9 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.6 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.4 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Gossypium australe</i> | 1.1 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 0.5 | 0.2 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.6 | 50 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.2 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.4 | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.3 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | 7 |
| <i>Triodia wiseana</i> | 0.3 | 1.2 |

PHOTO



Site Name: WJ019
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319071.19E 7603497.41N
 Community: HG1
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Red Chert (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, red chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|------------------------------|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.7 | | 20 |
| <i>Corymbia hamersleyana</i> | 1.1 | | 0.1 |
| <i>Eriachne lanata</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 5 |
| <i>Triodia scintillans</i> | 0.3 | | 40 |

PHOTO



Site Name: WJ020
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314680.68E 7605283.44N
 Community: HG1
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5
 Comments: Eroded flow lines through quadrat

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|----------------------------------|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.4 | | 0.2 |
| <i>Acacia robeorum</i> | 0.4 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Lawrenzia densiflora</i> | 0.1 | | 0.1 |
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | | | |
| <i>Senna symonii</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 12 |
| <i>Triodia wiseana</i> | 0.3 | | 16 |

PHOTO



Site Name: WJ021
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314752.44E 7605372.08N
 Community: HG2
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ptychophylla</i> | | | |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Petalostylis labicheoides</i> | | | |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.2 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | | | |
| <i>Senna symonii</i> | 0.6 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 20 |

PHOTO



Site Name: WJ022
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 315233.8E 7605267.66N
 Community: HG7
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Comments: Erosion of small flowlines through quadrat

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.6 | | 0.2 |
| <i>Acacia bivenosa x sclerosperma subsp. sclerosperma</i> | 1.2 | | 0.1 |
| <i>Acacia coriacea subsp. pendens</i> | 0.9 | | 0.1 |
| <i>Acacia robeorum</i> | 2.4 | | 0.3 |
| <i>Acacia sclerosperma subsp. sclerosperma</i> | 2 | | 0.3 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.2 |
| <i>Carissa lanceolata</i> | 1.4 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 7 |
| <i>Chrysopogon fallax</i> | 1 | | 0.1 |
| * <i>Citrullus colocynthis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus subsp. lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea var. neglecta</i> | 0.4 | | 0.1 |
| <i>Cynodon convergens</i> | 0.2 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | 0.2 |
| <i>Enneapogon cylindricus</i> | 0.2 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | 0.1 |
| <i>Eremophila forrestii</i> subsp. <i>forrestii</i> | 0.8 | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | 0.3 |
| <i>Euphorbia boophthona</i> | 0.4 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | 0.1 |
| <i>Indigofera colutea</i> | 0.2 | 0.1 |
| <i>Indigofera linifolia</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.2 | 0.1 |
| <i>Kohautia australiensis</i> (P2) | 0.4 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.3 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.1 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | 0.3 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.5 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida</i> ? <i>fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | 0.5 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.2 | 0.1 |
| <i>Tephrosia supina</i> | 0.3 | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | 14 |
| <i>Triodia wiseana</i> | 0.5 | 14 |

PHOTO



Site Name: WJ023
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 316046.23E 7604655.87N
 Community: S2
 Landform Type: FL-flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Chert (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Habitat: Gravelly creek bed with wide clay floodplain either side, trees over scattered shrubs and grassland
 Comments: Near camp admin

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | 0.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.9 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2.2 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.9 | | 0.1 |
| <i>Acacia trachycarpa</i> | 2.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 5 | | 1.5 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.2 |
| <i>Bothriochloa ewartiana</i> | 0.8 | | 0.1 |
| <i>Carissa lanceolata</i> | 2.7 | | 5 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 40 |
| <i>Chrysopogon fallax</i> | 1 | | 0.5 |
| * <i>Citrullus colocynthis</i> | | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 6.5 | | 3.5 |

| | | |
|---|-----|-----|
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cynodon convergens</i> | 0.2 | 0.1 |
| <i>Dicladanthera forrestii</i> | 0.4 | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | 0.1 |
| <i>Eremophila longifolia</i> | 1 | 0.1 |
| <i>Eucalyptus victrix</i> | 12 | 6 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.4 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | 0.1 |
| <i>Gossypium robinsonii</i> | | |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.7 | 0.2 |
| <i>Ipomoea muelleri</i> | 0.1 | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Petalostylis labicheoides</i> | | |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Santalum lanceolatum</i> | 2.6 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.1 |
| <i>Sida ?fibulifera</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Themeda triandra</i> | 0.5 | 0.1 |
| <i>Triodia longiceps</i> | 0.6 | 2.5 |

PHOTO



Site Name: WJ024
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 315896.26E 7604905.3N
 Community: HG2
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Sparse shrubland over open hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.7 | | 0.2 |
| <i>Acacia bivenosa</i> | 1.6 | | 0.6 |
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia ptychophylla</i> | 0.6 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 10 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | | 0.1 |
| <i>Goodenia pedicellata</i> (P1) | 0.2 | 50 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 0.6 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.2 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 14 |
| <i>Triodia wiseana</i> | 0.4 | | 20 |
| <i>Waltheria virgata</i> | 0.8 | | 0.1 |

PHOTO



Site Name: WJ025
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 317037.78E 7605962.01N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Ironstone, Chert (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Mining - many drill pads and tracks near quadrat
 Fire: >5
 Habitat: sparse shrubland over hummock grassland
 Comments: Topographically diverse with minor drainage line running through the quadrat

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.2 | | 2 |
| <i>Acacia bivenosa</i> | 2 | | 3 |
| <i>Acacia hilliana</i> | 0.6 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 2 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.9 | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dampiera candicans</i> | 0.5 | | 0.2 |
| <i>Dodonaea coriacea</i> | 0.4 | | 0.1 |
| <i>Eragrostis eriopoda</i> | | | |
| <i>Eriachne mucronata</i> | 0.3 | | 0.5 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | | | |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Gomphrena cunninghamii</i> | | |
| <i>Goodenia stobbsiana</i> | 0.5 | 2 |
| <i>Goodenia triodiophila</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | |
| <i>Hibiscus coatesii</i> | | |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | | |
| <i>Paraneurachne muelleri</i> | | |
| <i>Petalostylis labicheoides</i> | 1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | | |
| <i>Ptilotus calostachyus</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.4 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | 0.1 |
| <i>Senna symonii</i> | 1 | 0.2 |
| <i>Seringia nephrosperma</i> | | |
| <i>Sida arenicola</i> | 1.2 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | | |
| <i>Solanum gabrielae</i> | 0.4 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Striga squamigera</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.9 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 3 |
| <i>Triodia scintillans</i> | 0.3 | 30 |
| <i>Triumfetta maconochieana</i> | 0.1 | 0.1 |

PHOTO



Site Name: WJ026
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 316546.97E 7606395.81N
 Community: HG11
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.4 | | 0.5 |
| <i>Acacia bivenosa</i> | 1.1 | | 0.1 |
| <i>Acacia hilliana</i> | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.4 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.5 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 3 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.7 | | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Ptilotus helipteroides</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.1 | | 0.1 |
| <i>Senna symonii</i> | 1.5 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 18 |

PHOTO



Site Name: WJ027
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 316226.01E 7606641.3N
 Community: HG7
 Landform Type: Flat, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, colluvial chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.7 | | 7 |
| <i>Acacia arida</i> | 0.7 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Bonamia erecta</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1 | | 3.7 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 4.7 | | 1 |
| <i>Cynodon convergens</i> | 0.2 | | 0.3 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Heliotropium cunninghamii</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | 0.2 |
| <i>Isotropis atropurpurea</i> | | |
| <i>Melhania oblongifolia</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.3 |
| <i>Petalostylis labicheoides</i> | 2.7 | 7 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.2 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | 18 |
| <i>Triodia wiseana</i> | 0.3 | 0.3 |
| <i>Waltheria virgata</i> | 0.6 | 0.1 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WJ028
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 317182.29E 7605371.78N
 Community: HG1
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 5 - 10 yrs

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.2 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.4 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.6 | | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.7 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.7 | | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.7 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |
| <i>Senna sericea</i> | 0.5 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Senna symonii</i> | 0.6 | | 0.3 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.3 | | 0.4 |
| <i>Triodia scintillans</i> | 0.3 | | 5 |
| <i>Triodia wiseana</i> | 0.3 | | 12 |

PHOTO



Site Name: WJ029
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 315510.62E 7604321.29N
 Community: HG4
 Landform Type: Flat, floodplain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.7 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.2 | | 0.1 |
| <i>Acacia trachycarpa</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.5 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.7 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.2 | | 3.5 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 25 |
| * <i>Cenchrus setiger</i> | 0.4 | | 1 |
| * <i>Citrullus colocynthis</i> | | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.4 | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.6 | | 30 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.5 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Ipomoea muelleri</i> | | 1.5 |
| <i>Ipomoea polymorpha</i> | 0.2 | 0.1 |
| * <i>Malvastrum americanum</i> | 0.4 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.2 |
| <i>Salsola australis</i> | 0.3 | 0.1 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.2 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.3 | 0.1 |
| <i>Stemodia grossa</i> | 0.3 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.2 |
| <i>Triodia longiceps</i> | 0.6 | 0.1 |

PHOTO



Site Name: WJ030
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 317403.7E 7600134.02N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Habitat: Low sparse hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 0.1 |
| <i>Acacia bivenosa</i> | | | |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 2 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | | 0.1 |
| <i>Schizachyrium fragile</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | | 0.1 |
| <i>Senna symonii</i> | | | |
| <i>Triodia scintillans</i> | 0.3 | | 38 |

PHOTO



Site Name: WJ031
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 317998.05E 7600525.91N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Dolomite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 2 |
| <i>Acacia robeorum</i> | 1.7 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.8 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.7 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Maireana melanocoma</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | | 0.1 |
| <i>Senna sericea</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 1.5 | | 0.5 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | | 5 |
| <i>Triodia scintillans</i> | 0.3 | | 2 |
| <i>Triodia wiseana</i> | 0.4 | | 28 |

PHOTO



Site Name: WJ032
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 312610.07E 7607164.76N
 Community: HG8
 Landform Type: Plain
 Slope Class: Gently Inclined (3 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Limestone, colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5
 Habitat: Sparse shrubland over hummock grassland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.5 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 4 | | 2 |
| <i>Acacia bivenosa x sclerosperma subsp. sclerosperma</i> | 2 | | 0.1 |
| <i>Acacia coriacea subsp. pendens</i> | 4.3 | | 0.2 |
| <i>Acacia robeorum</i> | 1.8 | | 1 |
| <i>Acacia trachycarpa</i> | 3.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 2.3 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Corchorus lasiocarpus subsp. lasiocarpus</i> | 0.6 | | 1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Dysphania rhadinostachya</i> | 0.1 | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | 0.1 |
| <i>Eremophila forrestii</i> subsp. <i>forrestii</i> | 0.6 | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.3 | 0.2 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.1 |
| <i>Gossypium australe</i> | 0.7 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.2 | 1 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | | |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | 0.1 |
| <i>Ptilotus fusiformis</i> | | |
| <i>Rhagodia eremaea</i> | 2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sclerolaena costata</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 2.5 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | 0.4 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.3 |
| <i>Sporobolus australasicus</i> | 0.3 | 2.5 |
| <i>Stemodia grossa</i> | | |
| <i>Tephrosia supina</i> | 0.2 | 0.1 |
| <i>Tribulus macrocarpus</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.2 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 4 |
| <i>Triodia longiceps</i> | 0.7 | 8 |
| <i>Triodia wiseana</i> | 0.4 | 24 |

PHOTO



Site Name: WJ033R
 Site Type: RELEVE
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 319399.32E 7606324.79N
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: Chert/Siltstone (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert/siltstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 0.8 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1 | | 0.01 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 10 |
| <i>Triodia longiceps</i> | 0.4 | | 15 |
| <i>Triodia wiseana</i> | 0.3 | | 10 |

PHOTO



Site Name: WJ034R
 Site Type: RELEVE
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 319467.77E 7607144.21N
 Landform Type: Ridge
 Slope Class: Very Steep (37 degrees)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: Chert/Siltstone (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Types: chert/siltstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Comments: In a band right below the ridge, not even 50 m wide down the hill

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Eriachne lanata</i> | | | |
| <i>Eriachne mucronata</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hibiscus coatesii</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | | | |
| <i>Triodia epactia</i> | | | |

PHOTO



Site Name: WJ035
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 320060.99E 7607684.36N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Habitat: Low isolated trees over tall open shrubland over grasses and herbs
 Comments: Some water pools present

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ampliceps</i> | 1.5 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3 | | 0.1 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.3 | | 0.4 |
| <i>Ammannia multiflora</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 4 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.3 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 18 |
| * <i>Cenchrus setiger</i> | 0.5 | | 0.2 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus tridens</i> | 0.2 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen leucanthum</i> | 1.5 | | 0.1 |
| <i>Cyperus squarrosus</i> | 0.1 | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.6 | | 8 |

| | | |
|--|-----|-----|
| <i>Dactyloctenium radulans</i> | 0.1 | 0.1 |
| <i>Dysphania sphaerosperma</i> | | |
| <i>Eragrostis cumingii</i> | 0.3 | 0.1 |
| <i>Eragrostis tenellula</i> | 0.2 | 0.1 |
| <i>Eriachne benthamii</i> | 0.6 | 0.2 |
| <i>Eriachne obtusa</i> | 0.5 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.6 | 0.1 |
| <i>Eucalyptus victrix</i> | 8 | 1 |
| <i>Euphorbia trigonosperma</i> | 0.4 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.1 |
| <i>Fimbristylis rara</i> | 0.2 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Lobelia arnhemiaca</i> | 0.2 | 0.2 |
| <i>Melaleuca glomerata</i> | 4.5 | 25 |
| <i>Notoleptopus decaisnei</i> | 0.4 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.3 | 0.5 |
| <i>Pterocaulon sphacelatum</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Schoenoplectus subulatus</i> | | |
| ? <i>Schoenoplectus subulatus</i> | | |
| <i>Sesbania cannabina</i> | 0.8 | 0.1 |
| <i>Solanum ?phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus actinocladius</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Stemodia viscosa</i> | 0.3 | 1.2 |

PHOTO



Site Name: WJ036
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 319488.57E 7608012.8N
 Community: HG1
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, siltstone (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.6 | | 0.2 |
| <i>Acacia inaequilatera</i> | 3.4 | | 0.3 |
| <i>Acacia ptychophylla</i> | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 2 | | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.9 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.6 | | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.7 | | 0.1 |
| <i>Senna symonii</i> | 0.8 | | 0.2 |
| <i>Sida echinocarpa</i> | 0.6 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |

| | | | |
|--------------------------|-----|--|-----|
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 30 |

PHOTO



Site Name: WJ037
 Site Type: QUADRAT
 Dimensions: 15m x 166m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 319524.15E 7607627.85N
 Community: S2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Habitat: Sparse shrubland

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 2.4 | | 1.2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 6.5 | | 0.2 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2 | | 1.6 |
| <i>Acacia trachycarpa</i> | 4.5 | | 6 |
| * <i>Aerva javanica</i> | 0.6 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 7 | | 1.5 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 36 |
| * <i>Citrullus amarus</i> | | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 10 | | 1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Eremophila longifolia</i> | 2.3 | | 0.2 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 2 | | 2 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 2 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.4 | | 0.1 |
| <i>Sida</i> ? <i>fibulifera</i> | 0.3 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.2 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.6 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WJ038
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 319107.66E 7607725.16N
 Community: TG1
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds - **Cenchrus ciliaris* and **Aerva javanica* , Animal Disturbance - cattle
 Fire: <5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 0.4 | | 0.1 |
| <i>Acacia trachycarpa</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | | 1.5 |
| <i>Atalaya hemiglauca</i> | 1 | | 0.1 |
| <i>Bonamia alatisemina</i> | 0.1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 5 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 10 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 6 | | 1.2 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.8 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platyochlamys</i> | 0.3 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |

| | | | |
|-------------------------------|-----|--|-----|
| <i>Ipomoea muelleri</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.4 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.2 |
| <i>Solanum</i> sp. | 0.1 | | 0.1 |
| <i>Trianthea pilosum</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 10 |

PHOTO



Site Name: WJ039
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 318761.38E 7607941.07N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.2 | | 0.1 |
| <i>Acacia robeorum</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 6 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.6 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.6 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.3 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |
| <i>Senna sericea</i> | 1 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.1 |
| <i>Triodia brizoides</i> | 0.3 | | 22 |
| <i>Triodia epactia</i> | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.4 | | 0.2 |
| <i>Triodia wiseana</i> | 0.3 | | 0.2 |

PHOTO



Site Name: WJ040
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313301.34E 7613638.44N
 Community: HG11
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite, Chert (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: <3 years
 Comments: Recent fire

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.4 | | 0.1 |
| <i>Acacia hilliana</i> | 0.3 | | 0.3 |
| <i>Acacia inaequilatera</i> | 2.2 | | 0.3 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 1 |
| <i>Dampiera candidans</i> | 0.4 | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.2 | | 0.1 |
| <i>Euphorbia careyi</i> | | | |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Fimbristylis simulans</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | 5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | 2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.6 | 0.3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 0.6 | 3.5 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.2 |
| <i>Ptilotus clementii</i> | 0.6 | 0.4 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.4 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.4 | 0.1 |
| <i>Senna venusta</i> | 0.4 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum horridum</i> | 0.2 | 0 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia brizoides</i> | 0.3 | 6 |
| <i>Triodia epactia</i> | | |
| <i>Triodia wiseana</i> | 0.3 | 0.1 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.1 |
| <i>Waltheria virgata</i> | 0.5 | 0.2 |

PHOTO



Site Name: WJ041
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 314064.13E 7614112.34N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, (other) - recent fire
 Fire: <2-3 years

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2.5 | | 0.6 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 10 | 0.3 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.11 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 0.4 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | | 0.8 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.3 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.1 |

| | | | |
|--|-----|----|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.6 | | 0.4 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.6 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.4 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 10 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 16 |
| <i>Triumfetta propinqua</i> | 0.3 | | 0.1 |
| <i>Waltheria virgata</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WJ042
 Site Type: QUADRAT
 Dimensions: 62.5m x 40m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313576.41E 7613866.08N
 Community: HG8
 Landform Type: Plain, FL-flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: E
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium, dolomite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: <1-8 years
 Comments: Sandy flow area amongst low hills

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 2.5 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.4 | | 0.1 |
| <i>Acacia trachycarpa</i> | 0.4 | | 1.5 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.2 | | 0.2 |
| <i>Bonamia media</i> | 0.2 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 1.8 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 4 | | 0.8 |
| <i>Dampiera candicans</i> | 0.4 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 8 |
| <i>Eriachne aristidea</i> | 0.4 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | | 0.2 |
| <i>Goodenia microptera</i> | 0.4 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Gossypium australe</i> | 1.3 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | 0.4 |
| <i>Hibiscus brachychlaenus</i> | 1.2 | 0.1 |
| <i>Hibiscus leptocladus</i> | 0.4 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | 1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 1.1 |
| <i>Ptilotus axillaris</i> | 0.2 | 3 |
| <i>Rhynchosia minima</i> | 0.6 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.8 |
| <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> | 0.3 | 0.8 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.5 | 0.1 |
| <i>Senna notabilis</i> | 0.4 | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.7 | 0.1 |
| <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) | 0.3 | 0.2 |
| <i>Solanum diversiflorum</i> | 0.4 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.2 |
| <i>Solanum phlomoides</i> | 0.5 | 0.4 |
| <i>Streptoglossa macrocephala</i> | 0.5 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.4 |
| <i>Trianthema pilosum</i> | 0.2 | 1 |
| <i>Tribulopsis angustifolia</i> | 0.2 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.1 |
| * <i>Tribulus terrestris</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 2 |
| <i>Triodia epactia</i> | 0.3 | 15 |
| <i>Triodia scintillans</i> | 0.2 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 0.5 |

PHOTO



Site Name: WJ043
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313199.21E 7614174.77N
 Community: HG12
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds, (other) - recent fire
 Fire: <2-3 years

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 3 | | 3.5 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | | 0.1 |
| <i>Cullen lachnostachys</i> | 0.6 | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 0.8 |

| | | |
|--|-----|-----|
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Hibiscus leptocladus</i> | 0.5 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 0.3 | 0.1 |
| <i>Paspalidium rarum</i> | 0.2 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 1.2 |
| <i>Portulaca decipiens</i> | 0.3 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | 0.2 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | 0.1 |
| <i>Senna venusta</i> | 0.5 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.1 |
| <i>Tribulus platypterus</i> | 1.3 | 2.5 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.8 |
| <i>Triodia epactia</i> | 0.3 | 10 |
| <i>Triodia wiseana</i> | 0.3 | 8 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.1 |

PHOTO



Site Name: WJ044
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 315562.25E 7612436.3N
 Community: HG12
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.7 | | 0.1 |
| <i>Acacia arida</i> | 3.5 | | 1.5 |
| <i>Acacia bivenosa</i> | 2.5 | | 3 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.1 | | 0.1 |
| <i>Cucumis melo</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.3 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.3 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1.7 | | 0.8 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.2 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.7 | | 0.4 |
| <i>Melhania oblongifolia</i> | 0.2 | | 0.1 |
| <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i> | 0.5 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.4 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.5 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 2 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.6 | | 0.1 |
| <i>Solanum horridum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.3 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.4 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 35 |
| <i>Triumfetta propinqua</i> | 0.6 | | 0.2 |

PHOTO



Site Name: WJ045
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 315306.35E 7612252.98N
 Community: HG12
 Landform Type: Simple Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - only in drainage line
 Fire: >10
 Comments: Same as WJ044, most taxa concentrated along minor drainage line, rest is *T. wiseana* with scattered *A. bivenosa*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Acacia arida</i> | 2.5 | | 0.2 |
| <i>Acacia bivenosa</i> | 2.5 | | 1.5 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.2 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|---|-----|
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.3 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.4 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | | 0.1 |
| <i>Solanum horridum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.3 | | 0.1 |
| <i>Stemodia grossa</i> | | | |
| <i>Swainsona decurrens</i> | 0.3 | | 0.1 |
| <i>Tephrosia densa</i> | 0.5 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | | | |
| <i>Triodia wiseana</i> | 0.5 | | 42 |

PHOTO



Site Name: WJ046
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 314903.67E 7612334.4N
 Community: HG8
 Landform Type: Other, floodplain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Sandstone (?) (other), 2-10% bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: sandstone (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Comments: Some erosion in areas with heavy water flow

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.6 | | 0.1 |
| <i>Acacia arida</i> | 2.5 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.8 | | 0.5 |
| <i>Acacia trachycarpa</i> | 3 | | 1.5 |
| * <i>Aerva javanica</i> | 0.7 | | 0.9 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.6 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 0.6 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.1 | | 1.5 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 38 |
| * <i>Citrullus amarus</i> | | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Cucumis melo</i> | | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.2 |
| <i>Goodenia microptera</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia muelleriana</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 0.2 | 0.1 |
| <i>Ipomoea muelleri</i> | 0.2 | 0.1 |
| <i>Josephinia eugeniae</i> | 0.3 | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.1 | 0.3 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.5 | 0.1 |
| <i>Sida clementii</i> | 0.5 | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.1 |
| <i>Trianthema pilosum</i> | 0.2 | 0.1 |
| <i>Tribulopsis angustifolia</i> | 0.1 | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 1 |
| <i>Triodia longiceps</i> | 0.4 | 0.2 |

PHOTO



Site Name: WJ047
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 314759.53E 7612196.21N
 Community: HG8
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: dolomite, sandstone (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: <5
 Comments: Erosion gully along the edge of quadrat with some minor flowlines

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.6 | | 0.1 |
| <i>Acacia trachycarpa</i> | 3 | | 0.6 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 2 |
| <i>Boerhavia coccinea</i> | 0.1 | | 2.5 |
| <i>Bonamia media</i> | 0.1 | | 3.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 10 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Crotalaria ramosissima</i> | 0.2 | | 0.5 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 3 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Goodenia azurea</i> subsp. <i>hesperia</i> | 0.4 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.1 |
| <i>Hibiscus brachychlaenus</i> | 0.5 | | 0.1 |
| <i>Hibiscus leptocladus</i> | 0.5 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera colutea</i> | 0.2 | 0.1 |
| <i>Indigofera linifolia</i> | 0.2 | 0.1 |
| <i>Ipomoea muelleri</i> | 0.1 | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 1.5 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | 0.1 |
| <i>Senna notabilis</i> | 0.3 | 0.3 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.4 | 0.1 |
| <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) | 0.2 | 0.2 |
| <i>Solanum diversiflorum</i> | 0.4 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Tephrosia supina</i> | 0.3 | 0.3 |
| <i>Trianthema pilosum</i> | 0.2 | 12 |
| <i>Tribulopsis angustifolia</i> | 0.1 | 3 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus occidentalis</i> | 0.1 | 3 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | 0.2 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 12 |

PHOTO



Site Name: WJ048
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 312545.2E 7612881.32N
 Community: HG4
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Animal Disturbance - high cattle activity
 Fire: 5 years

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.4 | | 0.1 |
| <i>Acacia synchronicia</i> | 1 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | | 1.8 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 0.5 | | 0.4 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Corchorus tridens</i> | 0.2 | | 0.1 |
| <i>Cullen leucanthum</i> | 0.8 | | 0.2 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Eragrostis cumingii</i> | 0.1 | | 0.1 |
| <i>Eremophila longifolia</i> | 0.9 | | 1.6 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.2 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | | 0.4 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium crispatum</i> | 0.3 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Josephinia eugeniae</i> | 0.4 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.7 | | 0.2 |
| <i>Polymeria mollis</i> | 0.1 | | 1.5 |
| <i>Portulaca oleracea</i> | 0.2 | | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.3 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna notabilis</i> | 0.6 | | 0.1 |
| <i>Sida ?fibulifera</i> | 0.3 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 3.5 |
| <i>Streptoglossa decurrens</i> | 0.3 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | | | 0.1 |
| <i>Triodia angusta</i> | 0.4 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.2 |
| * <i>Vachellia farnesiana</i> | 1.6 | | 0.1 |

PHOTO



Site Name: WJ049
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 312794.29E 7613024.85N
 Community: HG4
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, calcrete, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | | | |
| <i>Abutilon otocarpum</i> | 0.4 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Acacia robeorum</i> | 0.3 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 0.3 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.3 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | | 0.2 |
| <i>Lawrenzia densiflora</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.6 | | 0.2 |
| <i>Pterocaulon sphacelatum</i> | 0.5 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.3 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Ptilotus murrayi</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 3 |
| <i>Stemodia grossa</i> | 0.5 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.3 | | 0.1 |
| <i>Trianthema cusackianum</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | | 0.1 |
| <i>Triodia angusta</i> | 0.3 | | 3.5 |

PHOTO



Site Name: WJ050
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 313055.84E 7613023.12N
 Community: HG7
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: dolomite, chert, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: <5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.4 | | 0.4 |
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia pyriformis</i> var. <i>pyriformis</i> | 0.8 | | 0.1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 0.6 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 2 |
| <i>Corymbia hamersleyana</i> | 8 | | 1.5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.6 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.4 | | 0.1 |

| | | | |
|--|-----|---|------|
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia armitiana</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Goodenia stobbsiana</i> | | | |
| <i>Gossypium australe</i> | 0.3 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4.2 | | 0.3 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.2 | | 1.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 4 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.9 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | | | |
| <i>Petalostylis labicheoides</i> | 1.1 | | 0.2 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 5 |
| <i>Ptilotus clementii</i> | 0.6 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.7 | | 0.4 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Salsola australis</i> | 0.4 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna notabilis</i> | 0.4 | | 0.1 |
| <i>Sida</i> ? <i>fibulifera</i> | 0.3 | | 3 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Solanum horridum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.4 |
| <i>Stemodia grossa</i> | | | |
| <i>Streptoglossa macrocephala</i> | 0.3 | | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | | 5 | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.1 |
| <i>Triodia angusta</i> | 0.3 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 10.2 |

PHOTO



Site Name: WJ051R
 Site Type: RELEVE
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 314421.19E 7610872.47N
 Landform Type: Upper Slope
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert/Silica Cap, Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Types: chert/silica cap (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: <3 years

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | | | |
| * <i>Aerva javanica</i> | | | |
| <i>Afrohybanthus aurantiacus</i> | | | |
| <i>Arivela viscosa</i> | | | |
| <i>Bonamia pilbarensis</i> | | | |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | | 3 | |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | | | |
| <i>Cymbopogon ambiguus</i> | | | |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | | | |
| <i>Eriachne aristidea</i> | | | |
| <i>Euphorbia careyi</i> | | | |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | | | |
| <i>Goodenia stobbsiana</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Heliotropium crispatum</i> | | | |
| <i>Hibiscus coatesii</i> | | | |
| <i>Indigofera monophylla</i> | | | |
| <i>Ptilotus auriculifolius</i> | | | |
| <i>Ptilotus axillaris</i> | | | |
| <i>Ptilotus calostachyus</i> | | | |
| <i>Ptilotus clementii</i> | | | |

| | | | |
|---|--|--|--|
| <i>Ptilotus exaltatus</i> | | | |
| <i>Ptilotus fusiformis</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | | | |
| <i>Senna notabilis</i> | | | |
| <i>Solanum phlomoides</i> | | | |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | | | |
| <i>Tribulus hirsutus</i> | | | |
| <i>Tribulus platypterus</i> | | | |
| <i>Triodia epactia</i> | | | |
| <i>Triodia scintillans</i> | | | |
| <i>Triumfetta maconochieana</i> | | | |

PHOTO



Site Name: WJ052
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 314041.76E 7610906.74N
 Community: HG7
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Types: calcrete, colluvium, dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Mining - area adjacent to plot recently rehabilitated and road nearby
 Fire: <3 years

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.4 | | 0.6 |
| <i>Acacia robeorum</i> | 0.3 | | 0.6 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | 1 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 4 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.2 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 1.2 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 0.4 | | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | | 1.3 |
| <i>Ptilotus axillaris</i> | 0.4 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus clementii</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.3 | | 0.2 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 0.2 | | 0.1 |
| <i>Sida ?fibulifera</i> | 0.3 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | | 0.3 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.3 |
| <i>Tribulus platypterus</i> | 0.6 | | 0.1 |
| <i>Triodia longiceps</i> | 0.3 | | 5 |

PHOTO



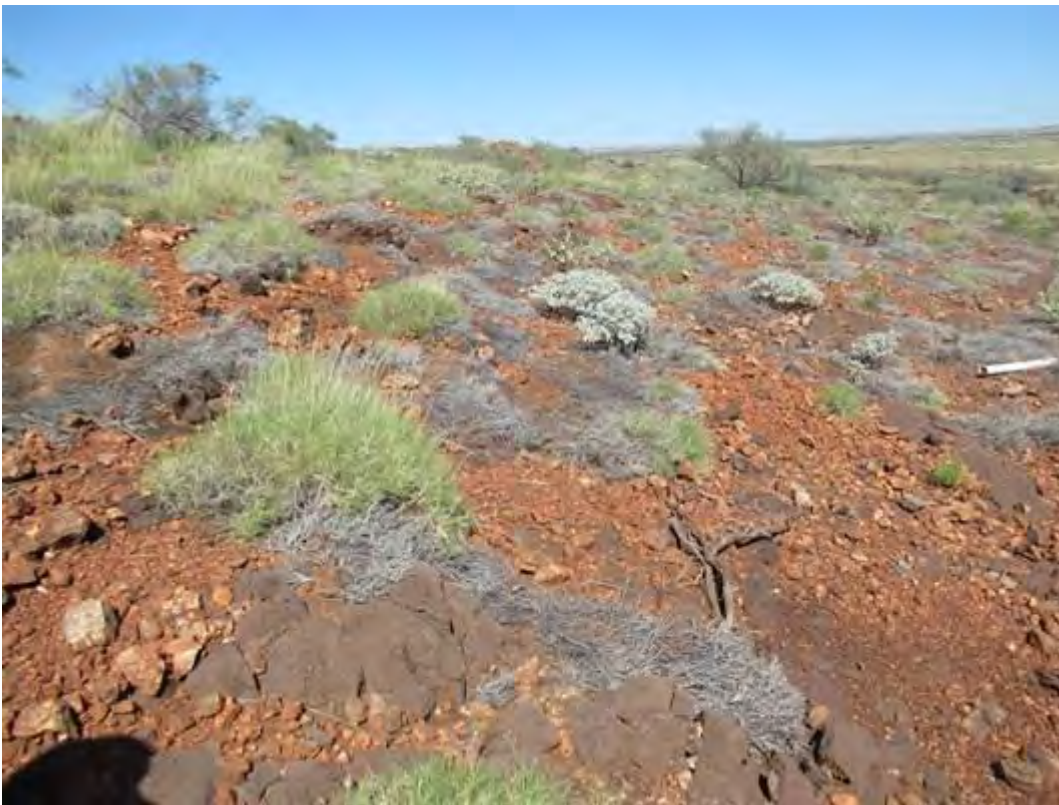
Site Name: WJ053
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 314174.31E 7611994.14N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SSE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2.5 | | 3 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 10 | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.2 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.7 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | | 1.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.1 |

| | | |
|---------------------------------|-----|-----|
| <i>Ptilotus exaltatus</i> | 0.2 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.1 |
| <i>Solanum horridum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | 0.1 |
| <i>Tephrosia densa</i> | 0.4 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 5 |
| <i>Triodia wiseana</i> | 0.4 | 26 |
| <i>Triumfetta propinqua</i> | 0.6 | 0.2 |

PHOTO



Site Name: WJ054
 Site Type: QUADRAT
 Dimensions: 31.25m x 80m
 Survey Date: 20/05/2021
 GPS Location: GDA94 Zone 51 317548.26E 7613878.6N
 Community: HG11
 Landform Type: Drainage Line
 Slope Class: Very Steep (37 degrees)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Sandstone (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: sandstone (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Acacia monticola*
 Lower Stratum 1: *Cymbopogon ambiguus*, *Eriachne mucronata*, *Triodia epactia*
 Lower Stratum 2: *Nicotiana benthamiana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia monticola</i> | 5.5 | | 3 |
| * <i>Aerva javanica</i> | 0.8 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Amaranthus undulatus</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.3 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.1 |
| <i>Cheilanthes brownii</i> | 0.1 | | 0.1 |
| <i>Clerodendrum tomentosum</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Cucumis melo</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 1 | 8 |
| <i>Cynanchum floribundum</i> | | 0.3 |
| <i>Cyperus cunninghamii</i> subsp. <i>cunninghamii</i> | 0.4 | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | 0.1 |
| <i>Enneapogon lindleyanus</i> | | |
| <i>Eriachne mucronata</i> | 0.4 | 18 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 7 | 3 |
| <i>Euphorbia trigonosperma</i> | 0.2 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.3 | 0.3 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.6 | 2 |
| <i>Paspalidium tabulatum</i> | 0.3 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.3 | 0.2 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.2 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.1 |
| <i>Ptilotus incanus</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | 0.2 |
| <i>Senna symonii</i> | 1.5 | 0.1 |
| <i>Senna venusta</i> | 0.2 | 0.1 |
| <i>Sida</i> sp. L (A.M. Ashby 4202) | 0.2 | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.4 | 0.1 |
| <i>Tribulus suberosus</i> | 0.6 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.5 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 4 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.1 |

PHOTO



Site Name: WJ055R
 Site Type: RELEVE
 Survey Date: 20/05/2021
 GPS Location: GDA94 Zone 51 317131.88E 7614042.54N
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert/Silica (other), 10-20% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert/silica (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Dampiera candidans</i> | 0.4 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 0.2 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.2 | | 0.1 |
| <i>Senna sericea</i> | 0.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 40 |

PHOTO



Site Name: WJ056
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 315494.84E 7620133.74N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Steep (23 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | 10 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.2 |
| <i>Polycarphaea longiflora</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia muricata</i> | 0.2 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 35 |

PHOTO



Site Name: WJ057
 Site Type: QUADRAT
 Dimensions: 31.25m x 80m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 315494.54E 7620650.63N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Steep (37 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert/Silica (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert/silica (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*, *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Acacia hilliana*, *Senna glutinosa* subsp. *glutinosa*
 Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.6 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 7 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 1 | | 0.2 |
| <i>Cyperus hesperius</i> | 0.4 | | 0.2 |
| <i>Dampiera candicans</i> | 0.5 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne lanata</i> | 0.4 | | 2 |
| <i>Eriachne mucronata</i> | 0.3 | | 4 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 0.6 |

| | | |
|--|-----|-----|
| <i>Gomphrena cunninghamii</i> | 0.3 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | 0.1 |
| <i>Gymnema erectum</i> | 0.8 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.2 | 0.3 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | 0.8 |
| <i>Senna venusta</i> | 0.1 | 0.1 |
| <i>Solanum gabrielae</i> | 0.4 | 0.1 |
| <i>Tinospora smilacina</i> | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.3 | 0.1 |
| <i>Tribulus suberosus</i> | 1 | 0.3 |
| <i>Triodia epactia</i> | 0.5 | 24 |
| <i>Triodia scintillans</i> | 0.4 | 8 |
| <i>Triumfetta maconochieana</i> | 0.5 | 0.3 |

PHOTO



Site Name: WJ058
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 315693.84E 7620257.26N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Sandstone, Dolomite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Upper Stratum 2: *Atalaya hemiglauca*
 Mid Stratum 1: *Acacia coriacea* subsp. *pendens*, *Acacia trachycarpa*
 Lower Stratum 1: *Cymbopogon ambiguus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 1.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 1.5 |
| <i>Acacia trachycarpa</i> | 2.6 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Amyema sanguinea</i> var. <i>sanguinea</i> | | | 0.2 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3.8 | | 5 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Chrysopogon fallax</i> | 0.8 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen leucanthum</i> | 1.5 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 1.5 |
| <i>Eucalyptus victrix</i> | 15 | | 20 |

| | | | |
|---|-----|--|-----|
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | 2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.5 | | 0.5 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | | 0.2 |
| <i>Themeda triandra</i> | 0.6 | | 0.1 |

PHOTO



Site Name: WJ059
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316295.04E 7620038.86N
 Community: TG1
 Landform Type: Other, floodplain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Atalaya hemiglauca*
 Mid Stratum 1: *Acacia trachycarpa*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.2 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.2 | | 0.3 |
| <i>*Aerva javanica</i> | 0.6 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 5 | | 1.2 |
| <i>*Cenchrus ciliaris</i> | 0.5 | | 32 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | | | |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | | 0.1 |
| <i>Triodia longiceps</i> | 0.4 | | 0.2 |
| <i>Triumfetta clementii</i> | 0.3 | | 0.1 |
| <i>Zaleya galericulata</i> subsp. <i>galericulata</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WJ060
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316395.5E 7620490.91N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert, manganese (?) (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10

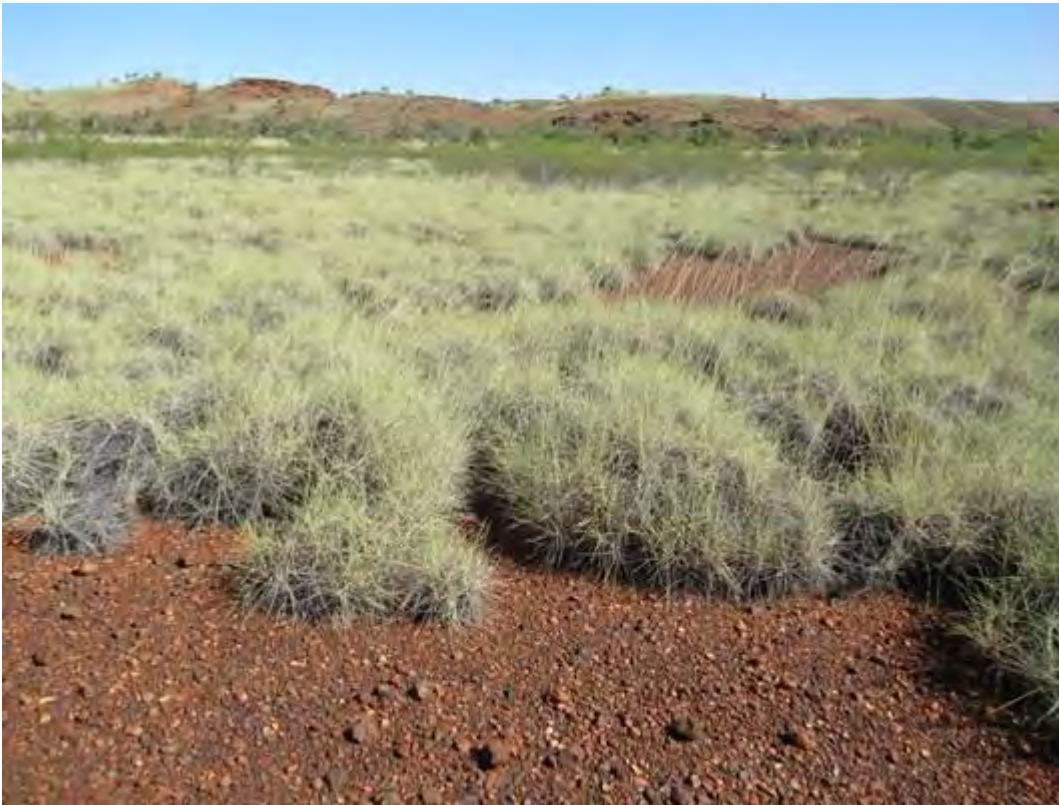
DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Lower Stratum 1: *Triodia longiceps, Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.1 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.8 | | 0.2 |
| <i>Acacia robeorum</i> | 2.2 | | 6 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.6 | | 10 |
| <i>Triodia scintillans</i> | 0.3 | | 5 |

PHOTO



Site Name: WJ061
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316606.07E 7620581.33N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Steep (23 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Shale/Siltstone, Claystone (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: shale/siltstone, claystone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 2: *Acacia ptychophylla*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ptychophylla</i> | 0.5 | | 12 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.1 |
| <i>Eriachne lanata</i> | 0.3 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 6 | | 0.6 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.7 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | | 0.1 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.6 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 35 |
| <i>Waltheria virgata</i> | 0.8 | | 0.2 |

PHOTO



Site Name: WJ062
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316019.48E 7620552.3N
 Community: W1
 Landform Type: Other, floodplain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.4 | | 3.5 |
| <i>Acacia colei</i> var. <i>colei</i> | 1.8 | | 0.1 |
| <i>Acacia hilliana</i> | 0.4 | | 0.2 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.4 |
| <i>Acacia ptychophylla</i> | 0.4 | | 3.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.8 | | 0.1 |
| <i>Acacia robeorum</i> | 0.4 | | 0.1 |
| <i>Acacia stellaticeps</i> | 0.6 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 1.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 1 |
| <i>Corymbia hamersleyana</i> | 5 | | 1.5 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Gossypium australe</i> | 2 | | 1.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platychlamys</i> | 0.5 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.7 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 8 |
| <i>Petalostylis labicheoides</i> | 2 | | 0.8 |
| <i>Pluchea tetranthera</i> | 0.6 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | | 0.3 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 5 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.7 | | 0.1 |
| <i>Senna symonii</i> | 10 | | 0.6 |
| <i>Sida clementii</i> | 0.4 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.6 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.2 |
| <i>Triodia epactia</i> | 0.4 | | 10 |
| <i>Triodia longiceps</i> | 0.5 | | 3.5 |
| <i>Triodia scintillans</i> | 0.3 | | 1.2 |
| <i>Waltheria virgata</i> | 0.5 | | 0.2 |

PHOTO



Site Name: WJ063
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 313392.39E 7620878.64N
 Community: HG5
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2 | | 4 |
| <i>Acacia synchronicia</i> | 3.2 | | 1.5 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2.2 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 10 |
| <i>Triodia wiseana</i> | 0.4 | | 12 |

PHOTO



Site Name: WJ064
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 313698.68E 7620790.18N
 Community: HG7
 Landform Type: Other, floodplain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.3 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.1 | | 0.1 |
| <i>Acacia colei</i> var. <i>colei</i> | 2 | | 0.1 |
| <i>Acacia inaequilatera</i> | 0.6 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1 | | 0.1 |
| <i>Acacia synchronicia</i> | 1.2 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.7 | | 6 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.6 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 8 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 1 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 8 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Gossypium australe</i> | 1.6 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.7 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 1.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | 0.1 |
| <i>Triodia epactia</i> | 0.6 | 12 |
| <i>Triodia wiseana</i> | 0.3 | 0.1 |
| <i>Triumfetta johnstonii</i> | 0.4 | 0.1 |
| <i>Waltheria virgata</i> | 0.7 | 0.2 |

PHOTO



Site Name: WJ065
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 313487.7E 7620798.6N
 Community: W2
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon amplum</i> | 1.5 | | 0.1 |
| <i>Acacia arida</i> | 1.8 | | 0.2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 4.5 | | 0.7 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 3.5 | | 1.3 |
| <i>Acacia trachycarpa</i> | 2 | | 2.5 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Alternanthera nana</i> | 0.2 | | 0.1 |
| <i>Amyema preissii</i> | | | |
| <i>Atalaya hemiglauca</i> | 8 | | 4 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| <i>Cajanus cinereus</i> | 1.5 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 8 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 1 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Cymbopogon ambiguus</i> | 0.4 | | 2.5 |
| <i>Cyperus vaginatus</i> | 0.8 | | 0.7 |
| <i>Eucalyptus victrix</i> | 12 | | 14 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | | | |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Melaleuca glomerata</i> | 3 | | 1.5 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.2 |
| <i>Senna venusta</i> | 0.2 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | | 0.3 |
| <i>Themeda triandra</i> | 0.6 | | 0.1 |
| <i>Triodia longiceps</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WJ066
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 313739.8E 7620386.48N
 Community: HG5
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2 | | 2 |
| <i>Acacia synchronicia</i> | 6 | | 2 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | | | |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.8 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.2 | | 0.1 |
| <i>Senna symonii</i> | 0.2 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 50 |

PHOTO



Site Name: WJ067
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 314309.6E 7619802.26N
 Community: HG12
 Landform Type: Simple Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite dominated colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.8 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.7 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.7 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 35 |

PHOTO



Site Name: WJ068
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 314206.69E 7619775.94N
 Community: HG10
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Sandstone, Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, sandstone (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.4 | | 1.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Aristida contorta</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.7 | 10 | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.6 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.8 | | 0.5 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.5 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1 | | 1.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 18 |

PHOTO



Site Name: WJ069
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 313813.56E 7619407.22N
 Community: W1
 Landform Type: FL-flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: dolomite, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds
 Fire: >5
 Comments: Steep cliff to the south of creek

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> aff. <i>hannii</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Abutilon lepidum</i> | 1 | | 0.5 |
| <i>Acacia arida</i> | 5 | | 5 |
| <i>Acacia bivenosa</i> | 4 | | 5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 0.8 |
| * <i>Aerva javanica</i> | 0.8 | | 2.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3.5 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 5 |
| * <i>Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 20 | 0.3 |
| <i>Corchorus tridens</i> | 0.1 | | 0.5 |
| <i>Corymbia hamersleyana</i> | 8 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.4 | 0.2 |
| <i>Cucumis melo</i> | | 0.5 |
| <i>Cucumis variabilis</i> | | 0.3 |
| <i>Cullen lachnostachys</i> | 1 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | 0.2 |
| <i>Cynanchum floribundum</i> | | 0.8 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.4 | 5 |
| <i>Eragrostis desertorum</i> | 0.3 | 5 |
| <i>Eriachne aristidea</i> | 0.3 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.4 |
| <i>Eriachne tenuiculmis</i> | 0.5 | 1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 0.5 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 5 | 1.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.7 | 0.3 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.6 | 2.5 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.5 |
| <i>Paspalidium tabulatum</i> | 0.3 | 0.1 |
| <i>Perotis rara</i> | 0.1 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.5 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.3 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.6 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.3 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | 0.1 |
| <i>Rhynchosia minima</i> | | 1.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 2 | 8 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.8 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Solanum horridum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Swainsona formosa</i> | 0.3 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.7 | | 0.3 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.4 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.6 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 5 |
| <i>Triodia wiseana</i> | 0.4 | | 8 |
| <i>Triumfetta propinqua</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WJ070
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 318561.75E 7612740.08N
 Community: HG10
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Colluvium, Chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.5 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 12 |
| <i>Triodia scintillans</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WJ071
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 318955.08E 7612706.41N
 Community: HG10
 Landform Type: Crest
 Slope Class: Steep (23 degrees)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 4 | | 0.7 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.4 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.6 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.4 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 1 |

| | | |
|----------------------------|-----|----|
| <i>Triodia scintillans</i> | 0.3 | 35 |
|----------------------------|-----|----|

PHOTO



Site Name: WJ072
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 319047.94E 7612239.05N
 Community: HG8
 Landform Type: Other, floodplain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite, Calcrete (other), <2% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 1 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1 | | 0.2 |
| <i>Acacia trachycarpa</i> | 0.7 | | 0.1 |
| * <i>Aerva javanica</i> | 0.7 | | 0.8 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.2 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 1.5 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 12 |
| * <i>Citrullus colocynthis</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 1.5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | | 0.1 |
| <i>Cullen leucanthum</i> | 1 | | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 2 | 0.8 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.2 | 0.4 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.8 | 1.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.4 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.4 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 3 |
| <i>Triodia longiceps</i> | 0.6 | 3.5 |
| <i>Triodia scintillans</i> | 0.3 | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | 8 |
| <i>Triumfetta johnstonii</i> | 0.4 | 0.1 |

PHOTO



Site Name: WJ073
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 318543.78E 7612183.45N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Comments: Major creek with open water - ca. 10 % cover

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coleii</i> var. <i>coleii</i> | 1.5 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 1.8 | | 0.2 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.8 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1 | | 0.1 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Alternanthera angustifolia</i> | 0.3 | | 0.2 |
| <i>Alternanthera nana</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.3 | | 0.7 |
| <i>Ammannia multiflora</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 4 | | 0.2 |
| <i>Bergia</i> sp. | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Boerhavia burbidgeana</i> | 0.1 | 0.5 |
| <i>Boerhavia coccinea</i> | 0.1 | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.3 | 8 |
| <i>Centipeda minima</i> subsp. <i>macrocephala</i> | 0.2 | 0.1 |
| * <i>Citrullus amarus</i> | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | 0.1 |
| <i>Cullen lachnostachys</i> | 0.1 | 0.1 |
| <i>Cyperus bifax</i> | 0.3 | 0.1 |
| <i>Cyperus difformis</i> | 0.4 | 0.2 |
| <i>Cyperus vaginatus</i> | 0.6 | 0.4 |
| <i>Diplachne fusca</i> subsp. <i>fusca</i> | 1 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.4 | 0.2 |
| <i>Eragrostis tenellula</i> | 0.3 | 0.4 |
| <i>Eriachne benthamii</i> | 0.7 | 4 |
| <i>Eriachne obtusa</i> | 0.6 | 0.1 |
| <i>Eucalyptus victrix</i> | 11 | 5 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1.7 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Lobelia arnhemiaca</i> | | 0.1 |
| <i>Marsilea hirsuta</i> | | 2.5 |
| <i>Melaleuca glomerata</i> | 3.4 | 2 |
| <i>Najas tenuifolia</i> | | 0.2 |
| <i>Petalostylis labicheoides</i> | 0.4 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.5 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | 0.1 |
| <i>Sesbania cannabina</i> | 0.5 | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.4 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Stemodia viscosa</i> | 0.2 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 0.2 |
| <i>Triodia longiceps</i> | 0.5 | 0.6 |
| * <i>Vachellia farnesiana</i> | 1 | 0.1 |

PHOTO



Site Name: WJ074
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 320407.83E 7611184.26N
 Community: HG10
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.9 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.5 | | 1 |
| * <i>Aerva javanica</i> | 0.6 | | 0.5 |
| <i>Aristida contorta</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 22 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Gossypium australe</i> | 1.5 | | 0.3 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.5 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 0.2 |
| <i>Hibiscus coatesii</i> | 0.5 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Ptilotus auriculifolius</i> | 0.3 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 2 | 0.3 |
| <i>Sida</i> ? <i>clementii</i> | 1 | 0.1 |
| <i>Sida echinocarpa</i> | 0.6 | 0.1 |
| <i>Tephrosia densa</i> | 0.2 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 22 |

PHOTO



Site Name: WJ075
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 319943.98E 7610943.78N
 Community: W2
 Landform Type: FL-flowline (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.5 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 2.2 | | 0.1 |
| <i>Acacia arida</i> | 0.9 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2.3 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.5 | | 0.8 |
| <i>Acacia trachycarpa</i> | 1 | | 0.2 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2.2 | | 0.3 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 20 |
| <i>Chrysopogon fallax</i> | 0.5 | | 0.1 |

| | | |
|---|-----|-----|
| <i>*Citrullus amarus</i> | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | 0.2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.4 | 0.1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cullen leucanthum</i> | 1.2 | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.6 | 0.2 |
| <i>Cyperus vaginatus</i> | 0.7 | 20 |
| <i>Enneapogon lindleyanus</i> | 0.4 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | 0.1 |
| <i>Eriachne obtusa</i> | 0.4 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.1 |
| <i>Eucalyptus victrix</i> | 8 | 16 |
| <i>Euphorbia trigonosperma</i> | 0.4 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 2 | 0.7 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 0.7 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.4 | 0.2 |
| <i>Hibiscus coatesii</i> | 0.4 | 0.1 |
| <i>Indigofera linifolia</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>*Malvastrum americanum</i> | 0.4 | 0.1 |
| <i>Melaleuca glomerata</i> | 2.8 | 0.5 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | 0.1 |
| <i>Pluchea dentex</i> | 0.2 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sida ?fibulifera</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.4 |
| <i>Themeda triandra</i> | 0.7 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.4 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 0.3 |

PHOTO



Site Name: WJ076
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 319406.19E 7596192.54N
 Community: HG11
 Landform Type: Drainage Line, UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: <3

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Acacia inaequilatera</i> | 0.3 | | 0.1 |
| <i>Acacia robeorum</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 6 | | 0.5 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Gossypium australe</i> | 0.3 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.1 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.2 | | 0.3 |
| <i>Ptilotus axillaris</i> | 0.2 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.3 |
| <i>Ptilotus exaltatus</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.2 |
| <i>Sida echinocarpa</i> | 0.4 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | | 12 |

PHOTO



Site Name: WJ077
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 319545.86E 7595926.92N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Types: Dolerite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: <5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 1 | | 0.1 |
| <i>Acacia hilliana</i> | 0.4 | | 0.4 |
| <i>Acacia inaequilatera</i> | 3.2 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 0.2 | | 0.1 |
| <i>Eriachne lanata</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Gossypium australe</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Senna venusta</i> | 0.4 | | 0.1 |
| <i>Sida arenicola</i> | 1 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.3 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 16 |
| <i>Triumfetta maconochieana</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WJ078
 Site Type: QUADRAT
 Dimensions: 33m x 75m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 319726.03E 7595941.24N
 Community: W2
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Comments: Quadrat includes floodplain either side of flowline

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 4.5 | | 0.9 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2 | | 0.4 |
| <i>Acacia trachycarpa</i> | 3.5 | | 0.7 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Alternanthera angustifolia</i> | 0.1 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Amyema sanguinea</i> var. <i>sanguinea</i> | | | 0.1 |
| <i>Atalaya hemiglauca</i> | 4 | | 0.4 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bothriochloa ewartiana</i> | 0.8 | | 0.1 |
| <i>*Cenchrus ciliaris</i> | 0.5 | | 20 |
| <i>Chrysopogon fallax</i> | 0.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | | 0.1 |
| <i>Cullen leucanthum</i> | 0.4 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Cymbopogon ambiguus</i> | 0.4 | 0.1 |
| <i>Cyperus vaginatus</i> | 0.8 | 6 |
| <i>Eriachne benthamii</i> | 0.8 | 1 |
| <i>Eucalyptus victrix</i> | 12 | 16 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 0.4 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.4 | 0.3 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | 0.1 |
| <i>Melaleuca glomerata</i> | 3.6 | 0.6 |
| <i>Phyllanthus maderaspatensis</i> | 0.5 | 0.1 |
| <i>Pluchea dentex</i> | 0.2 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sesbania cannabina</i> | 0.4 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.1 |
| <i>Themeda triandra</i> | 0.6 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 0.5 |

PHOTO



Site Name: WJ079
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 319732.61E 7595540.9N
 Community: W2
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 6 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.2 | | 0.1 |
| <i>Achyranthes aspera</i> | 0.7 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.4 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 4 | | 0.3 |
| <i>*Cenchrus ciliaris</i> | 0.7 | | 28 |
| <i>*Citrullus amarus</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.7 | | 0.8 |
| <i>*Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 0.6 | | 0.1 |
| <i>Eragrostis tenellula</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Eriachne tenuiculmis</i> | 0.5 | | 1.2 |
| <i>Eucalyptus victrix</i> | 16 | | 10 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.2 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Melaleuca glomerata</i> | 7 | | 28 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.3 | | 0.2 |
| <i>Pterocaulon sphacelatum</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.1 |
| <i>Sesbania cannabina</i> | 0.6 | | 0.1 |
| * <i>Sonchus oleraceus</i> | 0.1 | | 0.1 |
| <i>Stemodia viscosa</i> | 0.2 | | 0.1 |

PHOTO



Site Name: WJ080
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 313606.46E 7593159.71N
 Community: HG11
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Types: chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | | | |
| <i>Acacia hilliana</i> | 0.5 | | 10 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Dampiera candicans</i> | 0.4 | | 0.1 |
| <i>Eremophila exilifolia</i> | 0.5 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.6 | | 0.3 |
| <i>Goodenia triodiophila</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.1 |
| <i>Heliotropium skeleton</i> | 0.5 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | | | |

| | | | |
|---|-----|--|-----|
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | | 0.1 |
| <i>Schizachyrium fragile</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.3 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 28 |

PHOTO



Site Name: WJ081
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 313024.45E 7592807.08N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Chert/Silica (other), >50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert/silica (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Acacia arida</i> | 1.6 | | 0.2 |
| <i>Acacia bivenosa</i> | 1.8 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Clerodendrum ?tomentosum</i> | 1.8 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 5 | | 0.4 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Eremophila exilifolia</i> | 1.5 | | 4 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.3 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3 | | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Ptilotus incanus</i> | 0.2 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.4 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Solanum gabrielae</i> | 0.6 | | 0.1 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 1.2 | | 0.1 |
| <i>Triodia brizoides</i> | 0.5 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 3.5 |
| <i>Triodia scintillans</i> | 0.3 | | 7.5 |
| <i>Triumfetta johnstonii</i> | 0.8 | | 0.1 |

PHOTO



Site Name: WJ082
 Site Type: QUADRAT
 Dimensions: 28m x 90m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 312881.76E 7592483.38N
 Community: S1
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Quadrat surveys flowline and adjacent floodplain

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon cunninghamii</i> | 0.7 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 2.5 | | 0.1 |
| <i>Acacia arida</i> | 1.4 | | 0.2 |
| <i>Acacia bivenosa</i> | 2 | | 0.2 |
| <i>Acacia eriopoda</i> | 5 | | 10 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 4.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.3 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.5 | | 0.8 |
| <i>Aristida pruinosa</i> | 0.7 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Bonamia erecta</i> | 0.3 | | 0.8 |
| <i>Bothriochloa ewartiana</i> | 0.6 | | 4 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 1 |
| <i>Chrysopogon fallax</i> | 0.8 | | 6 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 12 | | 2.5 |
| <i>Corymbia hamersleyana</i> | 10 | | 2 |

| | | |
|--|-----|-----|
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>Duperreya commixta</i> | | 0.1 |
| <i>Ehretia saligna</i> var. <i>saligna</i> | 2 | 1.6 |
| <i>Eragrostis cumingii</i> | 0.1 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1.4 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.5 | 0.2 |
| <i>Euphorbia boophthona</i> | 0.3 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | 0.1 |
| <i>Gossypium robinsonii</i> | 1.5 | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3.5 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.9 | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platychlamys</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 1.2 | 1.6 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 1.5 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.1 | 0.5 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.6 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Seringia nephrosperma</i> | 1.2 | 0.1 |
| <i>Sida arenicola</i> | 0.1 | 0.1 |
| <i>Sida ?fibulifera</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.1 |
| <i>Themeda triandra</i> | 0.4 | 6 |
| <i>Trichodesma zeylanicum</i> | 0.4 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 3.2 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WK001
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/03/2021
 GPS Location: GDA94 Zone 51 317656E 7598443N
 Community: HG5
 Landform Type: Other, Lower slope of undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Orange - brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs
 Comments: Surveying following recent rain (soil is wet)

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon oxycarpum</i> subsp. Prostrate (A.A. Mitchell PRP 1266) | 0.1 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.1 |
| <i>Acacia synchronicia</i> | 3 | | 1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.2 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.2 |
| <i>Eragrostis xerophila</i> | 0.4 | | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |

| | | |
|--|------|-----|
| <i>Gossypium australe</i> | 0.5 | 0.1 |
| <i>Heliotropium heteranthum</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.25 | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.6 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.4 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.3 | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | 0.1 |
| <i>Triodia wiseana</i> | 0.6 | 15 |

PHOTO



Site Name: WK002
 Site Type: QUADRAT
 Dimensions: 10m x 250m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 316624E 7595406N
 Community: HG1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Pale brown/dusky pink (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Mining, Exotic Weeds
 Fire: >10
 Habitat: *Triodia longiceps* gully (surrounded by mining disturbance)
 Comments: Flowing recently

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Acacia arida</i> | 1.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.4 | | 2 |
| <i>Acacia robeorum</i> | 1.6 | | 0.3 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.6 | | 0.1 |
| <i>Aristida contorta</i> | 0.3 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 3 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Cullen pogonocarpum</i> | 0.2 | | 0.1 |
| <i>Cynodon convergens</i> | 0.2 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Enneapogon caeruleus</i> | 0.3 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.3 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.1 |
| <i>Euphorbia biconvexa</i> | 0.4 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 2.5 | | 0.1 |
| <i>Polymeria mollis</i> | | | |
| <i>Portulaca oleracea</i> | | | |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.1 |
| <i>Salsola australis</i> | 0.7 | | 0.2 |
| <i>Sclerolaena densiflora</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | | | |
| <i>Senna sericea</i> | 1.3 | | 0.1 |
| <i>Senna symonii</i> | 0.6 | | 0.1 |
| <i>Sida ?fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.7 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | | 1 |
| <i>Streptoglossa decurrens</i> | 0.4 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | | | |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.3 |
| <i>Triodia epactia</i> | 0.6 | | 0.2 |
| <i>Triodia longiceps</i> | 1.2 | | 20 |
| <i>Triodia wiseana</i> | 0.8 | | 1 |

PHOTO



Site Name: WK003
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 316699E 7594088N
 Community: HG11
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Brown
 Rock Outcrop: Quartz, 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.5 | | 0.2 |
| <i>Acacia hilliana</i> | 0.5 | | 1.5 |
| <i>Acacia inaequilatera</i> | 0.9 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | | | |
| <i>Corymbia hamersleyana</i> | 1.6 | | 0.1 |
| <i>Cucumis ?melo</i> | | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.2 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.9 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.5 |
| <i>Heliotropium tenuifolium</i> | 0.3 | | 0.1 |

| | | | |
|------------------------------|-----|--|-----|
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.5 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.3 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.9 | | 55 |
| <i>Triodia wiseana</i> | 0.9 | | 0.5 |
| <i>Waltheria virgata</i> | | | |

PHOTO



Site Name: WK004
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/03/2021
 GPS Location: GDA94 Zone 51 316756E 7593610N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay
 Soil Colour: Cream (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - Rehabed tracks in surrounds of quadrat
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.9 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.8 | | 2 |
| <i>Acacia robeorum</i> | 3 | | 2 |
| * <i>Aerva javanica</i> | 0.5 | 2 | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Cullen stipulaceum</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Maireana melanocoma</i> | 0.4 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.1 |
| <i>Pluchea dentex</i> | 0.4 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.3 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | | | |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | 1.5 | | 0.1 |
| <i>Senna symonii</i> | 1.5 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 0.1 |
| <i>Triodia longiceps</i> | 1.5 | | 30 |
| <i>Triodia scintillans</i> | 0.5 | | 0.2 |
| <i>Triodia wiseana</i> | 0.7 | | 20 |

PHOTO



Site Name: WK005
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 316939E 7593375N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial and Sandstone(?) (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - Old tracks / drill lines in surrounds
 Fire: >10
 Comments: Mining disturbance around edges of quadrat

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.9 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 4.5 | | 25 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Polycarphaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.2 | | 0.1 |
| <i>Ptilotus calostachyus</i> | | | |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.3 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 1.2 | | 2 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Triodia longiceps</i> | 1.4 | | 35 |
| <i>Triodia wiseana</i> | 1 | | 0.1 |
| <i>Tripogonella loliiformis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WK006
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 316523E 7593563N
 Community: HG7
 Landform Type: Other, Floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Loam
 Soil Colour: Red-brown/Orange (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Granite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia colei* var. *colei*
 Lower Stratum 1: *Chrysopogon fallax*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 1.5 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.7 | | 0.3 |
| <i>Acacia bivenosa</i> | 1.3 | | 0.5 |
| <i>Acacia colei</i> var. <i>colei</i> | 1.9 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.1 | | 0.1 |
| <i>Bonamia pannosa</i> | 0.2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1.5 | | 40 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cucumis ?melo</i> | | | 0.2 |
| <i>Cullen pogonocarpum</i> | 0.1 | | 0.1 |
| <i>Cynodon convergens</i> | 0.2 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Dysphania rhadinostachya</i> | 0.2 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.2 | 0.4 |
| <i>Eragrostis xerophila</i> | 0.5 | 0.1 |
| <i>Eucalyptus odontocarpa</i> | 3 | 0.2 |
| <i>Euphorbia boophthona</i> | 0.2 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.3 | 0.3 |
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Gossypium australe</i> | 0.6 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | 0.3 |
| <i>Hibiscus sturtii</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 0.5 |
| <i>Paspalidium rarum</i> | 0.3 | 0.2 |
| <i>Perotis rara</i> | 0.2 | 0.1 |
| <i>Phyllanthus erwinii</i> | 0.1 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | 0.3 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | 0.1 | 0.1 |
| <i>Schizachyrium fragile</i> | 0.2 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 1.7 | 0.3 |
| <i>Sida</i> ? <i>fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum horridum</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | 0.4 |
| <i>Stylobasium spathulatum</i> | 1.7 | 0.5 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.9 | 3 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WK007
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 315968E 7591262N
 Community: HG1
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 1.3 | | 0.1 |
| <i>Acacia arida</i> | 0.7 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.5 |
| <i>Goodenia stobbsiana</i> | 0.6 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.5 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.7 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.5 | | 0.3 |
| <i>Triodia scintillans</i> | 0.9 | | 50 |
| <i>Triodia wiseana</i> | 0.9 | | 0.3 |

PHOTO



Site Name: WK008
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 315992E 7591885N
 Community: HG1
 Landform Type: Other, Low rise (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Calcrete, Dolerite And Quartz (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia pruinocarpa*
 Mid Stratum 1: *Eremophila galeata*
 Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia eriopoda</i> | 4.5 | | 0.3 |
| <i>Acacia pruinocarpa</i> | 4 | | 1 |
| <i>Anthobolus leptomerioides</i> | 2.5 | | 0.1 |
| <i>Areocleome oxalidea</i> | 0.1 | | 0.1 |
| <i>Aristida contorta</i> | 0.3 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.3 |
| <i>Eremophila galeata</i> | 1.5 | | 1.5 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.1 |
| <i>Ptilotus ?clementii</i> | 0.1 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.9 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.9 | | 5 |
| <i>Triodia scintillans</i> | 0.9 | | 6 |

PHOTO



Site Name: WK009
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 314445E 7590834N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: Granite And Quartz (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Granite, Dolerite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 0.1 |
| <i>Acacia hilliana</i> | 0.5 | | 1 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.5 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.3 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.5 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium skeleton</i> | 0.4 | | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Schizachyrium fragile</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Triodia scintillans</i> | 0.8 | | 55 |

PHOTO



Site Name: WK010
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 315022E 7591220N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay
 Soil Colour: Pink (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Comments: Existing track NW of quadrat

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1 | | 1 |
| <i>Acacia robeorum</i> | 2.5 | | 2 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Maireana melanocoma</i> | 0.3 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | 0.6 | | 0.1 |
| <i>Senna symonii</i> | 0.8 | | 0.3 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa macrocephala</i> | 0.5 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |
| <i>Triodia wiseana</i> | 0.9 | | 30 |

PHOTO



Site Name: WK011
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 315407E 7591239N
 Community: HG1
 Landform Type: Other, Undulating hills (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay
 Soil Colour: Beige (other)
 Rock Outcrop: Metamorphic (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Calcrete, Metamorphic (other), Dolerite, Laterite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia aptaneura*, *Acacia pruinocarpa*

Lower Stratum 1: *Triodia brizoides*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia aptaneura</i> | 5 | | 10 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.3 |
| <i>Acacia pruinocarpa</i> | 6 | | 2 |
| <i>Acacia robeorum</i> | 1.5 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.4 | | 0.1 |
| <i>Aristida contorta</i> | 0.2 | | 0.2 |
| <i>Chrysopogon fallax</i> | 0.7 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.2 |
| <i>Enneapogon caeruleus</i> | | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>filiformis</i> | 1.9 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.5 | | 0.2 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.9 | 0.1 |
| <i>Maireana</i> ? <i>villosa</i> | 0.3 | 0.1 |
| <i>Paspalidium rarum</i> | 0.3 | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.7 | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.7 | 0.3 |
| <i>Senna stricta</i> | 0.7 | 0.1 |
| <i>Solanum phlomoides</i> | 4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.2 |
| <i>Tribulus suberosus</i> | 0.6 | 0.1 |
| <i>Triodia brizoides</i> | 0.9 | 5 |
| <i>Triodia epactia</i> | 0.9 | 0.5 |
| <i>Triodia wiseana</i> | 1.2 | 0.5 |
| <i>Tripogonella loliiformis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WK012
 Site Type: QUADRAT
 Dimensions: 40m x 62.5m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 315170E 7591612N
 Community: HG7
 Landform Type: Other, Floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Pale pink (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >10
 Comments: Existing track nearby

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia eriopoda*
 Lower Stratum 1: *Chrysopogon fallax, Triodia epactia*
 Lower Stratum 2: *Paraneurachne muelleri*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Acacia eriopoda</i> | 3 | | 10 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.3 |
| <i>Aristida inaequiglumis</i> | 1.2 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Calandrinia ptychosperma</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1.2 | | 25 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Cullen stipulaceum</i> | 0.1 | | 0.1 |
| <i>Cynodon convergens</i> | 0.2 | | 0.1 |
| <i>Digitaria brownii</i> | 0.7 | | 0.3 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eragrostis cumingii</i> | 0.2 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>filiformis</i> | 1.2 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Eriachne aristidea</i> | 0.2 | 0.1 |
| <i>Eulalia aurea</i> | 0.1 | 0.1 |
| <i>Euphorbia biconvexa</i> | 0.2 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.3 | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.1 | 0.2 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.2 |
| <i>Gossypium australe</i> | 0.3 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.9 | 0.1 |
| <i>Hibiscus burtonii</i> | 0.4 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>platychlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 1.2 | 0.5 |
| <i>Ipomoea muelleri</i> | 0.1 | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.2 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 2 |
| <i>Paspalidium rarum</i> | 0.3 | 0.3 |
| <i>Perotis rara</i> | 0.2 | 0.1 |
| <i>Phyllanthus erwinii</i> | 0.1 | 0.1 |
| <i>Polycarpha corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.7 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Stemodia viscosa</i> | 0.2 | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.2 | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 0.7 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.2 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 1.2 | 30 |
| <i>Urochloa holosericea</i> subsp. <i>velutina</i> | 0.2 | 0.1 |

PHOTO



Site Name: WK013
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 315344E 7595623N
 Community: S1
 Landform Type: Flat
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Mining - exploration track cuts through quadrat
 Fire: >10
 Comments: Some *Acacia* death near the tracks

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 1.8 | | 0.1 |
| <i>Acacia adsurgens</i> | 1.8 | | 0.3 |
| <i>Acacia ancistrocarpa</i> | 3 | | 1 |
| <i>Acacia ancistrocarpa x arida</i> | 1.8 | | 0.3 |
| <i>Acacia arida</i> | 1.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.7 | | 0.2 |
| <i>Acacia colei var. colei</i> | 1.5 | | 0.1 |
| <i>Acacia tumida var. pilbarensis</i> | 1.9 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.6 | | 0.2 |
| <i>Amphipogon sericeus</i> | 0.5 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.7 | | 0.1 |
| <i>Aristida holathera var. holathera</i> | 0.3 | | 0.1 |
| <i>Bonamia erecta</i> | 0.4 | | 0.3 |
| <i>Calytrix carinata</i> | 0.5 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.3 |
| <i>Cucumis ?melo</i> | | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Dampiera candidans</i> | 0.7 | | 0.2 |
| <i>Dicrastylis cordifolia</i> | 0.6 | | 0.2 |
| <i>Dodonaea coriacea</i> | 0.5 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.6 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.3 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.2 |
| <i>Senna symonii</i> | 0.3 | | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.3 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 1.2 | | 0.3 |
| <i>Triodia scintillans</i> | 1.1 | | 50 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WK014
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 316567E 7592057N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Granite, Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*
 Lower Stratum 2: *Fimbristylis simulans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | | | |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Dampiera candicans</i> | 0.3 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.3 |
| <i>Fimbristylis simulans</i> | 0.2 | | 2 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.9 | | 40 |

PHOTO



Site Name: WK015
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 315993E 7598041N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphised Granite (other), 10-20% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Metamorphised granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Mining - track adjacent to quadrat
 Fire: 2-3

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 0.1 |
| <i>Acacia hilliana</i> | 0.3 | | 0.2 |
| <i>Acacia maitlandii</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.5 |
| <i>Dampiera candidans</i> | 0.5 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | | | |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 0.2 |

PHOTO



Site Name: WK016
 Site Type: QUADRAT
 Dimensions: 15m x 167m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 316217E 7598174N
 Community: HG12
 Landform Type: Other, gorge (other)
 Slope Class: Steep (23 degrees)
 Soil Type: Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dark Brown Chert (other), >50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolerite, chert, marble rock (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*
 Mid Stratum 1: *Acacia arida*
 Mid Stratum 2: *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618)
 Lower Stratum 1: **Aerva javanica*
 Lower Stratum 2: *Ptilotus exaltatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) | 1.5 | | 3 |
| <i>Acacia arida</i> | 2.5 | | 3 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 4 | | 0.1 |
| <i>Acacia maitlandii</i> | 0.5 | | 0.1 |
| * <i>Aerva javanica</i> | 1.3 | | 3 |
| <i>Atalaya hemiglauca</i> | 4 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.5 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1.2 | | 0.3 |
| <i>Clerodendrum tomentosum</i> | 1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.3 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 11 | | 2 |
| <i>Cucumis</i> ? <i>melo</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | 0.2 | | 0.3 |
| <i>Cynanchum viminale</i> subsp. <i>australe</i> | 0.3 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.5 | | 0.5 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.5 | | 5 |
| <i>Euphorbia careyi</i> | 0.4 | | 0.3 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.3 | | 0.1 |
| <i>Ficus brachypoda</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.2 |
| <i>Paspalidium tabulatum</i> | 0.6 | | 0.1 |
| <i>Phyllanthus erwinii</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.9 | | 2 |
| <i>Rhynchosia minima</i> | | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.3 | | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.4 | | 0.2 |
| <i>Senna venusta</i> | 2.3 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | | 0.2 |
| <i>Triodia epactia</i> | 0.7 | | 0.2 |
| <i>Triodia wiseana</i> | 0.8 | | 0.5 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WK017
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/03/2021
 GPS Location: GDA94 Zone 51 315117E 7598780N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: Basalt/Metamorphised Granite (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Basalt/Metamorphised granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Mining - rehabbed tracks near quadrat
 Fire: 2-3

DOMINANT TAXA IN VEGETATION STRATA

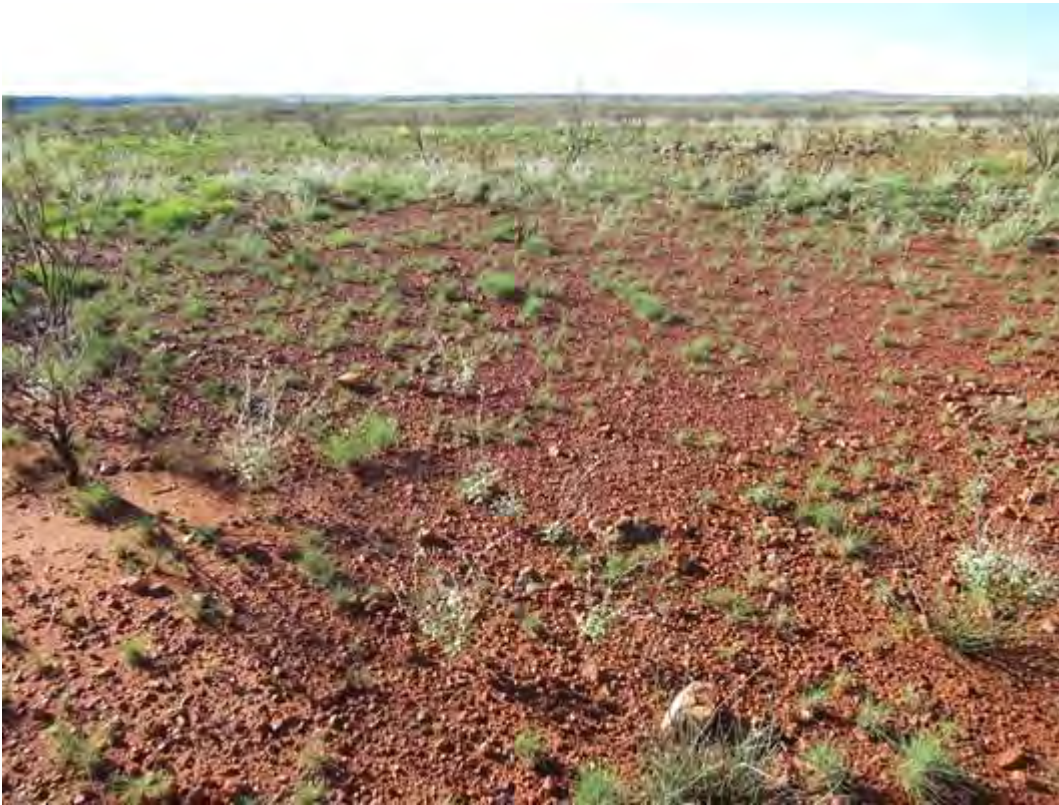
Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Acacia adoxa* var. *adoxo*, *Acacia hilliana*, *Dampiera candicans*
 Lower Stratum 2: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 0.5 |
| <i>Acacia arida</i> | 1.54 | | 2 |
| <i>Acacia hilliana</i> | 0.4 | | 1 |
| <i>Acacia maitlandii</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Calytrix carinata</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Dampiera candicans</i> | 0.6 | | 2 |
| <i>Dodonaea coriacea</i> | 0.2 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.2 |
| <i>Gompholobium polyzygum</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.7 | | 0.1 |
| <i>Heliotropium glabellum</i> | 0.2 | | 0.1 |
| <i>Heliotropium skeleton</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.3 |
| <i>Ptilotus fusiformis</i> | 0.4 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | | 0.1 |
| <i>Schizachyrium fragile</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.2 | | 0.2 |
| <i>Seringia nephrosperma</i> | 0.5 | | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.9 | | 0.2 |
| <i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925) | 0.3 | | 0.2 |
| <i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543) | 0.4 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.3 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | | | |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.7 | | 1 |
| <i>Triodia scintillans</i> | 0.9 | | 18 |
| <i>Triumfetta maconochieana</i> | 0.3 | | 0.2 |

PHOTO



Site Name: WK018
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 25/03/2021
 GPS Location: GDA94 Zone 51 315273E 7598688N
 Community: HG12
 Landform Type: gorge (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 0.5 |
| <i>Acacia inaequilatera</i> | 1.9 | | 0.1 |
| <i>Acacia maitlandii</i> | 1.2 | | 0.2 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 1.3 | | 0.2 |
| * <i>Aerva javanica</i> | 1.2 | 15 | 0.3 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauc</i> | 3.5 | | 0.3 |
| <i>Boerhavia coccinea</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Clerodendrum tomentosum</i> | 1.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | 200 | 3 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 7 | | 0.2 |
| <i>Cucumis ?melo</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 1.3 | | 0.2 |
| <i>Cynanchum floribundum</i> | | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.4 | | 0.5 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.5 | | 2 |

| | | | |
|--|-----|--|-----|
| <i>Euphorbia careyi</i> | 0.4 | | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.2 | | 0.1 |
| <i>Hibiscus coatesii</i> | 1.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.2 |
| <i>Paspalidium tabulatum</i> | 0.6 | | 0.2 |
| <i>Phyllanthus erwinii</i> | 0.4 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.3 | | 0.2 |
| <i>Ptilotus obovatus</i> | 1.2 | | 0.5 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.4 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.9 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.9 | | 5 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.1 |
| <i>Waltheria virgata</i> | 0.7 | | 0.2 |

PHOTO



Site Name: WK019
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/03/2021
 GPS Location: GDA94 Zone 51 314783E 7599035N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphic (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Quartz, Metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 2 years

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Acacia arida*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 1.2 | | 0.1 |
| <i>Acacia arida</i> | 0.4 | | 3 |
| <i>Acacia inaequilatera</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | 1 | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | | | |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.3 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.3 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.3 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.7 | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Ptilotus incanus</i> | | |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.4 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Solanum horridum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | 0.3 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.2 |
| <i>Triodia wiseana</i> | 0.5 | 12 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.1 |
| <i>Triumfetta propinqua</i> | 0.4 | 0.1 |
| <i>Waltheria virgata</i> | 0.4 | 0.1 |

PHOTO



Site Name: WK020
 Site Type: QUADRAT
 Dimensions: 168m x 15m
 Survey Date: 09/04/2021
 GPS Location: GDA94 Zone 51 314653E 7604243N
 Community: W2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix*
 Upper Stratum 2: *Acacia coriacea* subsp. *pendens*, *Atalaya hemiglauca*
 Lower Stratum 1: *Arivela viscosa*, **Cenchrus ciliaris*, *Phyllanthus erwinii*, *Pluchea rubelliflora*
 Lower Stratum 2: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.7 | | 0.2 |
| <i>Acacia trachycarpa</i> | 0.4 | | 0.1 |
| <i>Achyranthes aspera</i> | 0.6 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Alternanthera angustifolia</i> | 0.2 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.1 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.5 | | 0.2 |
| <i>Ammannia baccifera</i> | 0.2 | | 0.3 |
| <i>Ammannia multiflora</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Atalaya hemiglauca</i> | 5 | | 0.5 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.5 |
| * <i>Calotropis procera</i> | | 1 | |

| | | | |
|--|-----|---|-----|
| * <i>Cenchrus ciliaris</i> | 0.9 | | 15 |
| * <i>Cenchrus setiger</i> | 0.9 | | 0.1 |
| <i>Centipeda minima</i> subsp. <i>macrocephala</i> | 0.1 | | 0.2 |
| * <i>Citrullus colocynthis</i> | 0.1 | | 0.2 |
| <i>Corchorus laniflorus</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Corchorus tridens</i> | 0.4 | | 0.1 |
| <i>Crotalaria cunninghamii</i> | 1.5 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.2 |
| <i>Cynodon convergens</i> | 0.2 | | 0.1 |
| * <i>Cynodon dactylon</i> | 0.1 | | 1 |
| ? <i>Cyperus</i> sp. | 0.1 | | 0.1 |
| <i>Cyperus squarrosus</i> | 0.2 | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.7 | | 1 |
| * <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 0.5 | 3 | 0.1 |
| <i>Diplachne fusca</i> subsp. <i>fusca</i> | 0.7 | | 0.1 |
| <i>Eragrostis cumingii</i> | 0.2 | | 0.1 |
| <i>Eragrostis tenellula</i> | 0.3 | | 0.5 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 12 | | 25 |
| <i>Eucalyptus victrix</i> | 10 | | 2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.3 |
| <i>Euphorbia trigonosperma</i> | 0.4 | | 0.2 |
| <i>Gossypium robinsonii</i> | 1 | | 0.1 |
| <i>Ipomoea muelleri</i> | 0.1 | | 0.5 |
| * <i>Malvastrum americanum</i> | 0.4 | | 0.1 |
| <i>Melaleuca glomerata</i> | 4 | | 0.2 |
| <i>Melhania oblongifolia</i> | 0.5 | | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768) | 0.1 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 0.9 | | 0.1 |
| <i>Phyllanthus erwinii</i> | 0.5 | | 0.2 |
| <i>Pluchea rubelliflora</i> | 0.3 | | 0.7 |
| <i>Polycarpha longiflora</i> | 0.2 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sesbania cannabina</i> | 0.4 | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.5 |
| <i>Stemodia viscosa</i> | 0.3 | | 0.5 |
| * <i>Vachellia farnesiana</i> | 1.5 | | 0.1 |

PHOTO



Site Name: WK021
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 319360E 7601223N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: E
 Soil Type: Sandy Clay Loam
 Soil Colour: light red brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida, Acacia bivenosa, Acacia robeorum*
 Mid Stratum 2: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa x arida</i> | 1.8 | | 0.1 |
| <i>Acacia arida</i> | 1.6 | | 0.6 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.4 |
| <i>Acacia inaequilatera</i> | 1.3 | | 0.1 |
| <i>Acacia robeorum</i> | 1.8 | | 0.3 |
| <i>Afrohybanthus aurantiacus</i> | | | |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 3.5 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.4 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Maireana ?villosa</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.2 | | 0.1 |
| <i>Pterocaulon sp.</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.9 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.2 |
| <i>Streptoglossa decurrens</i> | 0.7 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.2 |
| <i>Triodia epactia</i> | 0.3 | | 0.1 |
| <i>Triodia longiceps</i> | 1.6 | | 20 |
| <i>Triodia wiseana</i> | 0.9 | | 0.1 |

PHOTO



Site Name: WK022
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 318797E 7601110N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Silica, Chert (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: silica, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.3 | | 0.1 |
| <i>Acacia inaequilatera</i> | 3 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.1 |
| <i>Eriachne mucronata</i> | | | |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.3 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | | | |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.7 | | 60 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Triodia wiseana</i> | 0.4 | | 0.1 |
| <i>Triumfetta maconochieana</i> | | | |

PHOTO



Site Name: WK023
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 318499E 7600529N
 Community: TG1
 Landform Type: Other, floodplain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Animal Disturbance - high cattle activity
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia coriacea* subsp. *pendens*, *Acacia trachycarpa*, *Atalaya hemiglauca*
 Mid Stratum 2: *Acacia pyrifolia* var. *pyrifolia*
 Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: **Aerva javanica*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.9 | | 1 |
| <i>Acacia trachycarpa</i> | 6 | | 1 |
| * <i>Aerva javanica</i> | 0.7 | 5 | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 5 | | 2 |
| <i>Boerhavia coccinea</i> | 0.2 | | 30 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 50 |

| | | | |
|--|-----|--|-----|
| <i>*Citrullus colocynthis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 8 | | 0.5 |
| <i>Cucumis ?melo</i> | | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.7 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | | 0.2 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.3 |
| <i>Triodia epactia</i> | 0.3 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WK024
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/04/2021
 GPS Location: GDA94 Zone 51 318819E 7600702N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: light red brown (other)
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Acacia bivenosa*, *Senna sericea*, *Senna symonii*
 Lower Stratum 1: *Cynodon prostratus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 1 |
| <i>Acacia robeorum</i> | 2.5 | | 0.5 |
| <i>Cymbopogon ambiguus</i> | 0.9 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.5 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | 1.3 | | 0.2 |
| <i>Senna symonii</i> | 1.1 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |

| | | | |
|--------------------------------|-----|--|-----|
| <i>Streptoglossa decurrens</i> | 0.5 | | 0.1 |
| <i>Triodia longiceps</i> | 1.2 | | 40 |
| <i>Triodia wiseana</i> | 0.7 | | 1 |

PHOTO



Site Name: WK025
 Site Type: QUADRAT
 Dimensions: 200m x 12.5m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314748E 7605590N
 Community: HG7
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: light red brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Petalostylis labicheoides*
 Mid Stratum 2: *Triodia longiceps, Triodia wiseana*
 Lower Stratum 1: *Acacia bivenosa, Indigofera monophylla*
 Lower Stratum 2: *Heliotropium chrysocarpum, Polymeria mollis, Scaevola amblyanthera var. centralis*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1 | | 0.5 |
| <i>Acacia bivenosa x sclerosperma</i> subsp. <i>sclerosperma</i> | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1.5 | | 15 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 10 | | 1 |
| <i>Cynodon convergens</i> | 0.2 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Eragrostis xerophila</i> | 0.5 | 0.2 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 0.7 | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.4 | 0.5 |
| <i>Indigofera monophylla</i> | 0.7 | 2 |
| <i>Kohautia australiensis</i> (P2) | 0.4 | 0.2 |
| <i>Melaleuca eleuterostachya</i> | 1.5 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 0.3 |
| <i>Petalostylis labicheoides</i> | 4 | 5 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 4 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.3 |
| <i>Scaevola spinescens</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.2 |
| <i>Stackhousia muricata</i> | 0.3 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 1 | 0.3 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia longiceps</i> | 1.3 | 5 |
| <i>Triodia scintillans</i> | 0.6 | 0.2 |
| <i>Triodia wiseana</i> | 1.1 | 15 |

PHOTO



Site Name: WK026
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 314118E 7605574N
 Community: HG5
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - high cattle activity
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Triodia longiceps*, *Triodia wiseana*
 Lower Stratum 1: *Dactyloctenium radulans*, *Eragrostis tenellula*, *Sporobolus australasicus*
 Lower Stratum 2: *Gomphrena affinis* subsp. *pilbarensis*, *Trianthema triquetrum*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 1.8 | | 1.5 |
| <i>Acacia synchronicia</i> | | | |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.2 |
| <i>Cucumis ?melo</i> | | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.2 |
| <i>Enneapogon caeruleascens</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Eragrostis tenellula</i> | 0.3 | 0.3 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.4 | 0.3 |
| <i>Goodenia muelleriana</i> | 0.3 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paspalidium clementii</i> | 0.3 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Sclerolaena costata</i> | 0.4 | 0.2 |
| <i>Sclerolaena crenata</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | 1 |
| <i>Stemodia viscosa</i> | | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | 0.2 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.5 |
| <i>Triodia longiceps</i> | 1.3 | 5 |
| <i>Triodia wiseana</i> | 0.9 | 35 |

PHOTO



Site Name: WK027
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/04/2021
 GPS Location: GDA94 Zone 51 315046E 7604726N
 Community: HG8
 Landform Type: Other, floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: N
 Soil Type: Clayey Sand
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia pyrifolia* var. *pyrifolia*, *Acacia robeorum*, *Acacia sclerosperma* subsp. *sclerosperma*, *Acacia trachycarpa*
 Lower Stratum 1: *Triodia epactia*, *Triodia wiseana*
 Lower Stratum 2: **Cenchrus ciliaris*, *Sporobolus australasicus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.8 | | 0.1 |
| <i>Acacia ptychophylla</i> | 1.3 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.5 | | 0.5 |
| <i>Acacia robeorum</i> | 2 | | 0.3 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3.5 | | 1.5 |
| <i>Acacia trachycarpa</i> | 3 | | 1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.2 |
| <i>Bonamia media</i> | 0.2 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 15 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.5 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Eragrostis xerophila</i> | 0.4 | | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.4 | | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | | 0.2 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.2 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2.5 | | 0.2 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.3 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Pterocaulon</i> sp. | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | | | |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | | | |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.3 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.2 |
| <i>Tribulus</i> ? <i>macrocarpus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.9 | | 35 |
| <i>Triodia longiceps</i> | | | |
| <i>Triodia wiseana</i> | 0.9 | | 2 |

PHOTO



Site Name: WK028
 Site Type: QUADRAT
 Dimensions: 200m x 12.5m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 315067E 7606858N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Sandy Loam
 Soil Colour: Orange
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Limestone, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Petalostylis labicheoides*
 Lower Stratum 1: *Indigofera monophylla*
 Lower Stratum 2: *Heliotropium* aff. *argyreum* (potentially undescribed), *Polymeria mollis*,
Scaevola amblyanthera var. *centralis*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 1 | | 0.2 |
| <i>Acacia ptychophylla</i> | 0.2 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.3 | | 0.1 |
| <i>Adriana tomentosa</i> var. <i>hookeri</i> | 1.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.7 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Chrysopogon fallax</i> | 1.2 | | 10 |

| | | |
|--|-----|-----|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | 0.1 |
| <i>Corymbia hamersleyana</i> | 9 | 1 |
| <i>Cucumis ?melo</i> | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Dysphania ?plantaginella</i> | 0.1 | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | 0.1 |
| <i>Eragrostis xerophila</i> | 0.4 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.7 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | 0.3 |
| <i>Heliotropium chrysocarpum</i> | 0.4 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Indigofera monophylla</i> | 0.8 | 0.5 |
| <i>Kohautia australiensis</i> (P2) | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.5 | 1 |
| <i>Petalostylis labicheoides</i> | 3 | 25 |
| <i>Pluchea tetranthera</i> | 0.3 | 0.1 |
| <i>Polymeria mollis</i> | 0.4 | 6 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.2 |
| <i>Santalum lanceolatum</i> | 1.5 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | 0.5 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | 0.1 |
| <i>Senna symonii</i> | 0.6 | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 1 | 0.4 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.1 |
| <i>Triodia longiceps</i> | 1.3 | 1 |
| <i>Triodia wiseana</i> | 1 | 15 |
| <i>Waltheria virgata</i> | 0.6 | 0.1 |

PHOTO



Site Name: WK029
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 315462E 7606515N
 Community: HG1
 Landform Type: Hillock
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Granite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Granite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: 5 - 10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Hakea lorea* subsp. *lorea*
 Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*
 Lower Stratum 2: *Eriachne pulchella* subsp. *dominii*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa x arida</i> | 0.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.7 | | 0.1 |
| <i>Acacia inaequilatera</i> | 1.6 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Dysphania ?plantaginella</i> | 0.1 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.2 |
| <i>Fimbristylis simulans</i> | 0.3 | | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 0.6 |

| | | |
|--|-----|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 0.3 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.2 |
| <i>Petalostylis labicheoides</i> | 2.3 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.2 |
| <i>Ptilotus clementii</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.2 | 0.1 |
| <i>Senna symonii</i> | 0.4 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.8 | 45 |
| <i>Triodia wiseana</i> | 0.7 | 5 |
| <i>Waltheria virgata</i> | | |

PHOTO



Site Name: WK030
 Site Type: QUADRAT
 Dimensions: 100m x 25m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 315855E 7606758N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Orange
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 5-10 years ago

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Triodia longiceps*
 Lower Stratum 1: *Sclerolaena densiflora*
 Lower Stratum 2: *Cynodon prostratus*, *Sporobolus australasicus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 1.2 | | 1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 1 | 0.1 |
| <i>Chrysopogon fallax</i> | 1.3 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.2 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne obtusa</i> | 0.5 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.9 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.4 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.3 | | 0.3 |
| <i>Sclerolaena ?gardneri</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.3 |
| <i>Streptoglossa decurrens</i> | 0.2 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.3 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1.3 | | 30 |
| <i>Triodia scintillans</i> | 0.7 | | 0.1 |
| <i>Triodia wiseana</i> | 0.7 | | 1 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WK031
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 315971E 7605883N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Ironstone
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*, *Senna glutinosa* subsp. *pruinosa*
 Lower Stratum 1: *Triodia scintillans*
 Lower Stratum 2: *Goodenia stobbsiana*, *Heliotropium* aff. *argyreum* (potentially undescribed),
Heliotropium chrysocarpum

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.6 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.5 | | 0.2 |
| <i>Acacia robeorum</i> | | | |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | 1 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.6 | | 1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.5 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.2 |
| <i>Heliotropium tenuifolium</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.7 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.3 | | 0.6 |
| <i>Senna symonii</i> | 0.7 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.7 | | 15 |
| <i>Triodia wiseana</i> | 0.7 | | 0.1 |

PHOTO



Site Name: WK032
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/04/2021
 GPS Location: GDA94 Zone 51 315970E 7605832N
 Community: TG1
 Landform Type: Wetland
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia pyrifolia* var. *pyrifolia*, *Acacia sclerosperma* subsp. *sclerosperma*, *Acacia trachycarpa*, *Atalaya hemiglauca*
 Lower Stratum 1: **Cenchrus ciliaris*, **Cenchrus setiger*
 Lower Stratum 2: **Aerva javanica*, *Corchorus laniflorus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 3.5 | | 4 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3.5 | | 1 |
| <i>Acacia trachycarpa</i> | 4 | | 4 |
| * <i>Aerva javanica</i> | 0.4 | | 0.3 |
| <i>Arivela viscosa</i> | | | |
| <i>Atalaya hemiglauca</i> | 5 | | 1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 6 |
| <i>Carissa lanceolata</i> | 0.4 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 50 |
| * <i>Cenchrus setiger</i> | 0.6 | | 1 |
| * <i>Citrullus colocynthis</i> | | | 0.1 |
| <i>Corchorus laniflorus</i> | 0.6 | | 0.3 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Cucumis ?melo</i> | | 0.1 |
| <i>Dysphania rhadinostachya</i> | | |
| <i>Eriachne obtusa</i> | 0.5 | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.2 |
| <i>Ipomoea muelleri</i> | | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.2 |
| <i>Senna notabilis</i> | | |
| <i>Solanum phlomoides</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trianthema triquetrum</i> | | |
| <i>Triodia longiceps</i> | 0.6 | 0.1 |

PHOTO



Site Name: WK033
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 317302E 7601002N
 Community: HG1
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Mining - old mining tracks/roads nearby
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa, Acacia robeorum, Senna glutinosa* subsp. *x luerssenii*

Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.7 | | 0.1 |
| <i>Acacia arida</i> | 1.3 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.8 | | 1 |
| <i>Acacia hilliana</i> | 0.4 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.3 |
| <i>Acacia robeorum</i> | 2 | | 2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.3 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.2 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.6 | | 0.3 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | 1.2 | | 0.5 |
| <i>Senna symonii</i> | 1.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1.3 | | 0.1 |
| <i>Triodia scintillans</i> | 0.8 | | 35 |
| <i>Triodia wiseana</i> | 0.9 | | 2 |

PHOTO



Site Name: WK034
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/04/2021
 GPS Location: GDA94 Zone 51 317252E 7601242N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

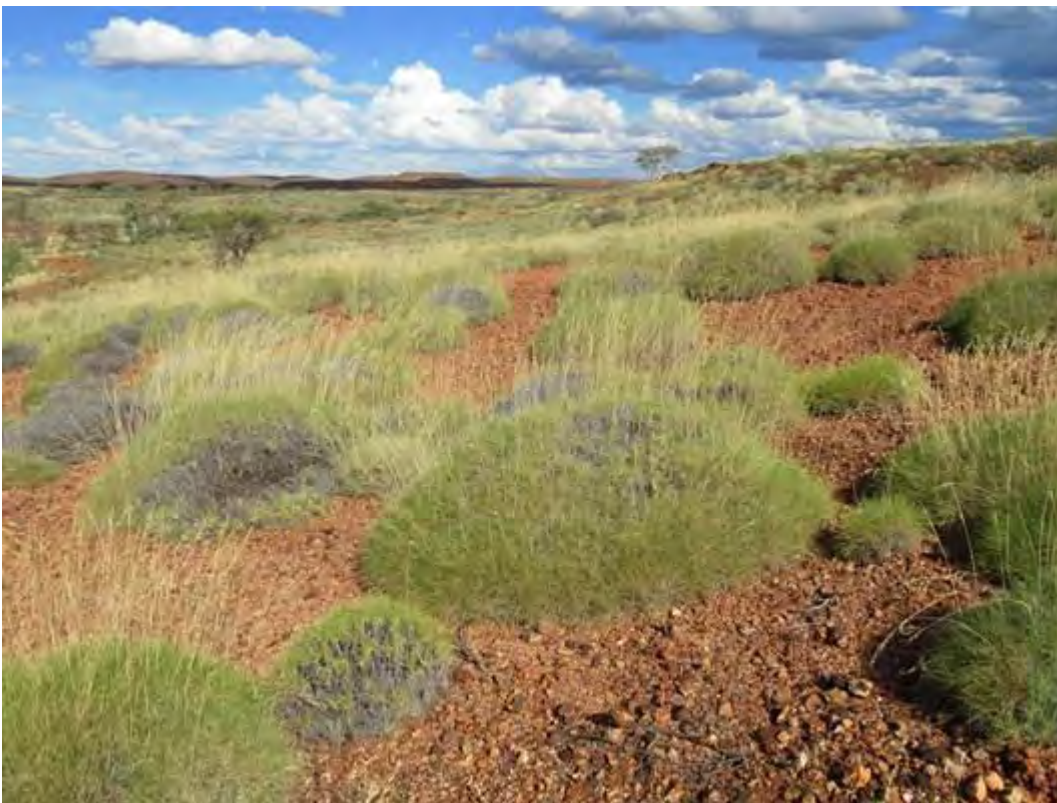
Mid Stratum 1: *Acacia bivenosa*, *Acacia inaequilatera*
 Mid Stratum 2: *Triodia wiseana*
 Lower Stratum 1: *Heliotropium* aff. *argyreum* (potentially undescribed)

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.6 | | 0.2 |
| <i>Acacia hilliana</i> | 0.4 | | 0.3 |
| <i>Acacia inaequilatera</i> | 2.2 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.3 | | 0.1 |
| <i>Acacia robeorum</i> | 1.1 | | 0.1 |
| * <i>Aerva javanica</i> | | | |
| <i>Bonamia pilbarensis</i> | 0.3 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.2 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.6 | | 0.1 |
| <i>Sida</i> ? <i>echinocarpa</i> | 0.3 | | 0.2 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia brizoides</i> | 1.3 | | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | | 0.3 |
| <i>Triodia wiseana</i> | 1 | | 40 |

PHOTO



Site Name: WK035
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 316030E 7601247N
 Community: TG1
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Generally very good condition with patches of **Cenchrus ciliaris*

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia pyrifolia* var. *pyrifolia*, *Acacia sclerosperma* subsp. *sclerosperma*, *Acacia trachycarpa*, *Atalaya hemiglauca*, *Hakea lorea* subsp. *lorea*
 Lower Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2.5 | | 0.2 |
| <i>Acacia robeorum</i> | | | |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3 | | 0.2 |
| <i>Acacia trachycarpa</i> | 4 | | 1 |
| * <i>Aerva javanica</i> | | | |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3 | | 0.1 |
| <i>Bonamia alatisemina</i> | 0.1 | | 0.2 |
| <i>Bonamia media</i> | 0.2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.9 | | 2 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 0.2 |
| <i>Ipomoea muelleri</i> | 0.1 | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida ?echinocarpa</i> | 1.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Streptoglossa macrocephala</i> | 0.2 | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | 0.5 |
| <i>Triodia epactia</i> | 0.5 | 35 |

PHOTO



Site Name: WK036
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 316508E 7601049N
 Community: HG3
 Landform Type: Other, claypan (other)
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Crab holes (?) present

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: **Cenchrus ciliaris*, **Cenchrus setiger*
 Lower Stratum 2: *Sclerolaena lanicuspis*, *Sida fibulifera*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Boerhavia ?burbidgeana</i> | 0.2 | | 0.5 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.2 |
| * <i>Cenchrus setiger</i> | 0.6 | | 0.3 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | | | |
| <i>Cynodon convergens</i> | 0.2 | | 0.5 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.2 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Eragrostis tenellula</i> | 0.3 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.4 | | 1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | | | |
| <i>Indigofera linifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | | 0.8 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Ptilotus aervoides</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Ptilotus murrayi</i> | | | |
| <i>Sclerolaena costata</i> | 0.3 | | 0.2 |
| <i>Sclerolaena lanicuspis</i> | 0.2 | | 0.8 |
| <i>Sida fibulifera</i> | 0.1 | | 0.5 |
| <i>Sporobolus actinocladus</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.5 |
| ? <i>Streptoglossa</i> sp. | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | | | |
| <i>Trianthema triquetrum</i> | 0.1 | | 1 |
| <i>Tribulus</i> sp. | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | | | |

PHOTO



Site Name: WK037
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 316776E 7600581N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia wiseana*
 Lower Stratum 2: *Corchorus* aff. *incanus* (potentially undescribed), *Triumfetta propinqua*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.8 | | 12 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.9 | 30 | 1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.7 | | 0.1 |
| <i>Polycarpha longiflora</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.9 | | 15 |
| <i>Triumfetta propinqua</i> | 0.7 | | 0.2 |

PHOTO



Site Name: WK038
 Site Type: QUADRAT
 Dimensions: 15m x 170m
 Survey Date: 14/04/2021
 GPS Location: GDA94 Zone 51 317454E 7601207N
 Community: W2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10
 Comments: Recent rainfall

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*
 Mid Stratum 1: *Acacia coriacea* subsp. *pendens*, *Atalaya hemiglauca*, *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*, *Eriachne benthamii*, *Eriachne tenuiculmis*, *Themeda triandra*
 Lower Stratum 2: *Boerhavia burbidgeana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 7.5 | | 4 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.3 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.3 | | 0.2 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.1 | | 0.1 |
| <i>Ammannia multiflora</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3 | | 0.5 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 6 |

| | | |
|---|-----|-----|
| <i>*Cenchrus setiger</i> | 0.7 | 0.1 |
| <i>Chrysopogon fallax</i> | 0.9 | 0.1 |
| <i>*Citrullus colocynthis</i> | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | 0.1 |
| <i>Corchorus tridens</i> | 0.2 | 0.2 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.6 | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.1 | 0.1 |
| <i>Eragrostis tenellula</i> | 0.3 | 0.2 |
| <i>Eriachne benthamii</i> | 0.8 | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.5 | 0.4 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 12 | 10 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.2 |
| <i>Euphorbia careyi</i> | 0.1 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.2 |
| <i>Ipomoea muelleri</i> | | 0.2 |
| <i>Ipomoea polymorpha</i> | 0.2 | 0.1 |
| <i>Melaleuca glomerata</i> | 4.5 | 8 |
| <i>Nicotiana occidentalis</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sesbania cannabina</i> | 0.3 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 0.7 | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |

PHOTO



Site Name: WK039
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 15/04/2021
 GPS Location: GDA94 Zone 51 319934E 7601777N
 Community: HG10
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Mid Stratum 2: *Senna glutinosa* subsp. *x luerssenii*
 Lower Stratum 1: *Triodia brizoides*, *Triodia wiseana*
 Lower Stratum 2: *Bonamia pilbarensis*, *Corchorus lasiocarpus* subsp. *lasiocarpus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | | | |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.3 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | | | |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2.5 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.2 |
| <i>Rhynchosia minima</i> | | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | | 0.3 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Triodia brizoides</i> | 0.7 | | 25 |
| <i>Triodia wiseana</i> | 0.7 | | 10 |

PHOTO



Site Name: WK040
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 15/04/2021
 GPS Location: GDA94 Zone 51 319998E 7601612N
 Community: W2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clayey Sand
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10
 Comments: Lots of water from recent rainfall

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix*
 Upper Stratum 2: *Acacia coriacea* subsp. *pendens*
 Mid Stratum 1: *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*, *Diplachne fusca* subsp. *fusca*, *Eriachne benthamii*
 Lower Stratum 2: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 7.5 | | 5 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.1 | | 0.3 |
| <i>Ammannia multiflora</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.5 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| * <i>Calotropis procera</i> | 1.5 | 5 | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 3 |
| <i>Chrysopogon fallax</i> | 1.2 | | 0.1 |

| | | |
|--|-----|-----|
| <i>*Citrullus colocynthis</i> | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | 0.1 |
| <i>Cullen leucanthum</i> | 0.4 | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>*Cynodon dactylon</i> | | |
| <i>Cyperus squarrosus</i> | 0.1 | 0.2 |
| <i>Cyperus vaginatus</i> | 0.7 | 1 |
| <i>Dactyloctenium radulans</i> | 0.2 | 0.3 |
| <i>Diplachne fusca</i> subsp. <i>fusca</i> | 0.7 | 0.2 |
| <i>Eragrostis tenellula</i> | 0.3 | 0.1 |
| <i>Eriachne benthamii</i> | 0.9 | 5 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 10 | 1 |
| <i>Eucalyptus victrix</i> | 12 | 2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Fimbristylis rara</i> | 0.2 | 0.1 |
| <i>Gossypium australe</i> | 0.3 | 0.2 |
| <i>Ipomoea coptica</i> | | 0.1 |
| <i>Ipomoea muelleri</i> | | 1 |
| <i>Lobelia arnhemiaca</i> | 0.1 | 0.2 |
| <i>Marsilea ?exarata</i> | 0.2 | 0.2 |
| <i>Melaleuca glomerata</i> | 7 | 30 |
| <i>Najas tenuifolia</i> | 0.1 | 0.1 |
| <i>Nicotiana occidentalis</i> | 0.1 | 0.2 |
| <i>Operculina aequisejala</i> | | 0.1 |
| <i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768) | 0.1 | 0.2 |
| <i>Phyllanthus erwinii</i> | 0.3 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.3 | 0.4 |
| <i>Polymeria mollis</i> | 0.2 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sesbania cannabina</i> | 1.2 | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Streptoglossa decurrens</i> | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 0.7 | 0.1 |
| <i>Triodia longiceps</i> | 0.4 | 0.1 |

PHOTO



Site Name: WK041
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 15/04/2021
 GPS Location: GDA94 Zone 51 320259E 7601663N
 Community: S2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clayey Sand
 Soil Colour: Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: < 2 years

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*, *Acacia inaequilatera*, *Atalaya hemiglauca*, *Grevillea pyramidalis* subsp. *leucadendron*
 Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: *Gossypium australe*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.9 | | 0.2 |
| <i>Acacia arida</i> | 1.2 | | 2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | | | |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.2 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.3 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.4 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.3 |
| <i>Bonamia pannosa</i> | | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| * <i>Cenchrus ciliaris</i> | 0.8 | 70 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | 0.1 |
| <i>Cullen stipulaceum</i> | 1.3 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.6 | 0.1 |
| <i>Cynanchum floribundum</i> | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.6 | 0.1 |
| <i>Eriachne benthamii</i> | 0.6 | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | 0.2 |
| <i>Euphorbia careyi</i> | 0.2 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 0.9 | 1.5 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.6 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera linnaei</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.3 |
| <i>Paspalidium clementii</i> | 0.1 | 0.1 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | 0.7 | 0.2 |
| <i>Phyllanthus erwinii</i> | 0.3 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.3 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.4 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | 0.3 |
| <i>Trichodesma zeylanicum</i> | 0.4 | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | 0.2 |
| <i>Triumfetta propinqua</i> | 0.4 | 0.1 |

PHOTO



Site Name: WK042
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 15/04/2021
 GPS Location: GDA94 Zone 51 318495E 7603675N
 Community: HG1
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Comments: Mosaic vegetation

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*, *Senna symonii*
 Lower Stratum 1: *Triodia longiceps*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.9 | | 0.2 |
| <i>Acacia bivenosa</i> | 1.7 | | 2 |
| <i>Afrohybanthus aurantiacus</i> | | | |
| <i>Anthobolus leptomerioides</i> | 0.7 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.3 |
| <i>Chrysopogon fallax</i> | | | |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | | | |
| <i>Duperreya commixta</i> | | | 0.1 |
| <i>Eriachne aristidea</i> | | | |
| <i>Goodenia microptera</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | | | |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | | | |

| | | | |
|--|-----|--|-----|
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | | | |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.9 | | 15 |
| <i>Triodia wiseana</i> | 0.7 | | 20 |

PHOTO



Site Name: WK043
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 06/05/2021
 GPS Location: GDA94 Zone 51 314317.18E 7608387.81N
 Community: HG4
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Petalostylis labicheoides*
 Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 0.5 |
| <i>Acacia bivenosa x sclerosperma subsp. sclerosperma</i> | 1.6 | | 0.3 |
| <i>Acacia robeorum</i> | 2 | | 3 |
| <i>Acacia sclerosperma subsp. sclerosperma</i> | 1.1 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.7 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Capparis spinosa subsp. nummularia</i> | 0.8 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.9 | | 0.2 |
| <i>Corchorus sidoides subsp. sidoides</i> | 0.2 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 6 | | 0.5 |
| <i>Dysphania ?plantaginella</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Eragrostis desertorum</i> | 0.5 | 0.1 |
| <i>Eremophea spinosa</i> | 0.4 | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.4 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | | |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.2 |
| <i>Petalostylis labicheoides</i> | 2.5 | 1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | 0.2 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 1 |
| <i>Triodia longiceps</i> | 1.5 | 30 |

PHOTO



Site Name: WK044
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 319554.81E 7605588.28N
 Community: HG1
 Landform Type: Other, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clayey Sand
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Mid Stratum 2: *Senna symonii*
 Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 0.6 | | 0.1 |
| <i>Acacia robeorum</i> | 0.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.7 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.7 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.7 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.9 | | 0.5 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1.2 | | 25 |
| <i>Triodia wiseana</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WK045
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 320079.49E 7605651.3N
 Community: HG10
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*
 Mid Stratum 1: *Senna glutinosa* subsp. *pruinosa*
 Lower Stratum 1: *Triodia brizoides*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 3 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.2 |
| <i>Carissa lanceolata</i> | 1.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.5 |
| <i>Gossypium australe</i> | 0.2 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.3 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.9 | | 0.4 |
| <i>Sida ?echinocarpa</i> | 0.3 | | 0.2 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia brizoides</i> | 0.7 | | 25 |

PHOTO



Site Name: WK046
 Site Type: QUADRAT
 Dimensions: 12.5m x 250m
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 319660.24E 7605252.51N
 Community: W2
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix*
 Upper Stratum 2: *Atalaya hemiglauca*
 Mid Stratum 1: *Acacia pyrifolia* var. *morrisonii*
 Lower Stratum 1: *Bothriochloa ewartiana*, **Cenchrus ciliaris*, *Eriachne benthamii*, *Eriachne tenuiculmis*, *Themeda triandra*
 Lower Stratum 2: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.7 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.5 | | 0.1 |
| <i>Acacia arida</i> | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.3 | | 0.1 |
| <i>Acacia colei</i> var. <i>colei</i> | 1.8 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 6 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.5 | 3 | |
| <i>Acacia robeorum</i> | 0.7 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|---|-----|
| <i>Ammannia baccifera</i> | 0.1 | | 0.1 |
| <i>Ammannia multiflora</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 5 | | 0.5 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| <i>Bothriochloa ewartiana</i> | 0.6 | | 0.3 |
| <i>Carissa lanceolata</i> | 1.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 10 |
| <i>Chrysopogon fallax</i> | 1.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 6 | | 0.5 |
| <i>Crotalaria novae-hollandiae</i> subsp. <i>novae-hollandiae</i> | | | |
| <i>Cyperus vaginatus</i> | 0.8 | | 1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Eragrostis tenellula</i> | 0.3 | | 0.2 |
| <i>Eriachne benthamii</i> | 0.6 | | 0.5 |
| <i>Eriachne tenuiculmis</i> | 0.5 | | 0.5 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 12 | | 10 |
| <i>Eucalyptus victrix</i> | 12 | | 10 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 1.5 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.8 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Melaleuca glomerata</i> | 3 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.4 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Operculina aequisejala</i> | | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.5 | | 0.1 |
| <i>Phyllanthus erwinii</i> | 0.4 | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.3 | | 0.2 |
| <i>Pterocaulon</i> sp. | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Sesbania cannabina</i> | 0.1 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.2 | | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.7 | | 0.1 |
| <i>Themeda triandra</i> | 0.8 | | 0.2 |
| <i>Trichodesma zeylanicum</i> | 0.2 | | 0.1 |
| <i>Triodia brizoides</i> | | 1 | |
| <i>Triodia longiceps</i> | 0.6 | | 0.1 |

PHOTO



Site Name: WK047
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 07/05/2021
 GPS Location: GDA94 Zone 51 317892.47E 7605435.99N
 Community: W1
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >10
 Comments: Next to sewerage farm. Claypan like flowline

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia coriacea* subsp. *pendens*, *Corymbia hamersleyana*
 Upper Stratum 2: *Hakea lorea* subsp. *lorea*
 Mid Stratum 1: *Acacia ancistrocarpa*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2.5 | | 8 |
| <i>Acacia arida</i> | 2.5 | | 3 |
| <i>Acacia bivenosa</i> | 1.8 | | 3 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 1 |
| <i>Acacia trachycarpa</i> | 2.5 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.5 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.8 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| <i>Bonamia erecta</i> | 0.3 | | 0.1 |
| <i>Carissa lanceolata</i> | 2 | | 0.2 |
| <i>Cassytha capillaris</i> | | | 5 |

| | | |
|--|-----|-----|
| <i>*Cenchrus ciliaris</i> | 0.6 | 1.5 |
| <i>Chrysopogon fallax</i> | 1.3 | 3 |
| <i>Corchorus laniflorus</i> | 0.2 | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.5 | 0.3 |
| <i>Corchorus tridens</i> | 0.1 | 0.1 |
| <i>Corymbia hamersleyana</i> | 6 | 10 |
| <i>Cucumis ?melo</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 1.3 | 0.1 |
| <i>Cynodon convergens</i> | 0.2 | 4 |
| <i>Dichanthium sericeum</i> subsp. <i>humilius</i> | 0.5 | 0.3 |
| <i>Duperreya commixta</i> | | 0.3 |
| <i>Eragrostis eriopoda</i> | 0.5 | 0.1 |
| <i>Eriachne mucronata</i> | 0.5 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Kohautia australiensis</i> (P2) | 0.3 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.4 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.5 | 0.2 |
| <i>Paspalidium rarum</i> | 0.3 | 0.1 |
| <i>Petalostylis labicheoides</i> | 0.5 | 0.1 |
| <i>Phyllanthus erwinii</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.3 |
| <i>Scaevola spinescens</i> | 0.8 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.8 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.2 | 0.1 |
| <i>Senna symonii</i> | 1.2 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.5 |
| <i>Themeda triandra</i> | 1.2 | 2 |
| <i>Triodia epactia</i> | 1 | 2 |
| <i>Triodia longiceps</i> | 1.3 | 20 |
| <i>Triodia wiseana</i> | 0.7 | 0.1 |

PHOTO



Site Name: WK048
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 312438.79E 7609423.12N
 Community: HG4
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Flat, broad drainage line

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: *Sporobolus australasicus, Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 0.9 | | 0.2 |
| <i>Acacia synchronicia</i> | 4 | | 30 |
| <i>Acacia trachycarpa</i> | 1.9 | | 0.2 |
| <i>*Aerva javanica</i> | 0.6 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Carissa lanceolata</i> | 1.8 | | 0.1 |
| <i>*Cenchrus ciliaris</i> | 0.8 | | 15 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Cucumis ?melo</i> | | | 0.2 |
| <i>Cyperus vaginatus</i> | 0.6 | | 0.3 |
| <i>Diplachne fusca</i> subsp. <i>fusca</i> | 0.7 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> | 0.9 | | 0.1 |
| <i>Eragrostis tenellula</i> | 0.3 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.2 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.2 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.3 | | 1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.3 | | 0.3 |
| <i>Sclerolaena crenata</i> | 0.2 | | 0.2 |
| <i>Sclerolaena lanicuspis</i> | 0.2 | | 0.3 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 4 |
| <i>Streptoglossa decurrens</i> | 0.1 | | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.3 |
| <i>Triodia epactia</i> | 0.7 | | 3 |
| <i>Triodia longiceps</i> | 0.9 | | 0.3 |
| * <i>Vachellia farnesiana</i> | 0.8 | | 0.2 |

PHOTO



Site Name: WK049
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 312080.54E 7609614.28N
 Community: HG8
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: light red brown (other)
 Rock Outcrop: Calcrete (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

Lower Stratum 2: *Dysphania ?plantaginella*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.2 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.9 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.2 |
| <i>Dysphania ?plantaginella</i> | 0.1 | | 0.5 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.5 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.2 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.2 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.7 | | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.2 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.7 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stackhousia muricata</i> | 0.2 | | 0.2 |
| <i>Swainsona decurrens</i> | 0.2 | | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.2 |
| <i>Triodia epactia</i> | 0.9 | | 0.1 |
| <i>Triodia scintillans</i> | 0.6 | | 25 |
| <i>Triodia wiseana</i> | 0.6 | | 25 |

PHOTO



Site Name: WK050
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 312025.81E 7609432.37N
 Community: HG6
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: light red brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Hakea lorea* subsp. *lorea*
 Mid Stratum 2: *Acacia inaequilatera*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.5 | | 0.05 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.5 | | 0.05 |
| <i>Acacia inaequilatera</i> | 1.8 | | 0.2 |
| <i>Acacia robeorum</i> | | | |
| <i>Acacia trachycarpa</i> | 1.8 | | 0.1 |
| * <i>Aerva javanica</i> | 0.7 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia ?coccinea</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 2 |
| <i>Calandrinia</i> sp. | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.2 |
| <i>Dichrostachys spicata</i> | 1.5 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Eragrostis cumingii</i> | 0.1 | 0.1 |
| <i>Eragrostis dielsii</i> | 0.1 | 0.1 |
| <i>Eragrostis xerophila</i> | 0.5 | 0.2 |
| <i>Euphorbia trigonosperma</i> | 0.2 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | 0.2 |
| <i>Goodenia microptera</i> | 0.4 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 0.3 |
| <i>Indigofera linnaei</i> | 0.1 | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | 0.2 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.1 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.6 | 0.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | 0.2 |
| <i>Ptilotus murrayi</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | 0.1 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | 0.1 |
| <i>Sclerolaena costata</i> | 0.2 | 0.1 |
| <i>Sclerolaena crenata</i> | 0.2 | 0.2 |
| <i>Senna notabilis</i> | 0.1 | 0.2 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | 2 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.2 |
| <i>Tephrosia supina</i> | 0.2 | 0.2 |
| <i>Trianthema pilosum</i> | 0.1 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.2 | 3 |
| <i>Tribulopsis angustifolia</i> | 0.1 | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.3 | 0.1 |
| <i>Triodia epactia</i> | 0.9 | 30 |

PHOTO



Site Name: WK051
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/05/2021
 GPS Location: GDA94 Zone 51 311939.32E 7614752.46N
 Community: HG8
 Landform Type: Other, LR - low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Calcrete, Dolerite (other), <2% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite, calcrete, colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >5
 Comments: Low rise between drainage lines

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Hakea lorea* subsp. *lorea*
 Lower Stratum 1: *Eragrostis eriopoda*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 1.8 | | 0.2 |
| <i>Acacia trachycarpa</i> | 0.4 | | 0.2 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| <i>Bonamia media</i> | 0.1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 3 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Eragrostis eriopoda</i> | 0.4 | 30 |
| <i>Euphorbia biconvexa</i> | 0.2 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | 0.2 |
| <i>Goodenia muelleriana</i> | 0.3 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.7 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 0.3 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Hibiscus leptocladus</i> | 0.4 | 0.1 |
| <i>Hypertelis cerviana</i> | 0.1 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera linifolia</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.2 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 1 |
| <i>Ptilotus clementii</i> | 0.6 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | 0.2 |
| <i>Sida fibulifera</i> | 0.3 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.4 | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Solanum phlomoides</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | 0.3 |
| <i>Trianthema pilosum</i> | 0.1 | 0.2 |
| <i>Tribulopsis angustifolia</i> | 0.2 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.2 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | 0.5 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 0.9 | 15 |
| <i>Triodia wiseana</i> | 0.7 | 0.3 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WK052
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 312729.65E 7616435.75N
 Community: W1
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia trachycarpa*
 Mid Stratum 2: *Acacia arida*, *Acacia pyrifolia* var. *morrisonii*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 3 | | 3 |
| <i>Acacia bivenosa</i> | 1.8 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3.5 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.9 | | 3 |
| <i>Acacia trachycarpa</i> | 3.5 | | 15 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3 | | 0.2 |
| <i>Cajanus cinereus</i> | 0.9 | | 0.2 |
| <i>Carissa lanceolata</i> | 1.6 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 75 |
| * <i>Citrullus colocynthis</i> | | | 0.2 |
| <i>Corchorus laniflorus</i> | 0.5 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | 0.1 |
| <i>Corymbia hamersleyana</i> | 12 | 10 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | 0.1 |
| <i>Cucumis melo</i> | | 0.1 |
| <i>Cucumis ?melo</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.9 | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.6 | 0.3 |
| <i>Eragrostis tenellula</i> | 0.3 | 0.1 |
| <i>Eremophila longifolia</i> | 1.8 | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.4 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.1 |
| <i>Gossypium australe</i> | 0.4 | 0.1 |
| <i>Gossypium robinsonii</i> | 1.5 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.4 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.6 | 0.2 |
| <i>Petalostylis labicheoides</i> | 1.8 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 0.4 |
| <i>Portulaca oleracea</i> | 0.3 | 0.3 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.3 | 0.1 |
| <i>Themeda triandra</i> | 0.9 | 0.3 |
| <i>Tinospora smilacina</i> | | 0.1 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.1 |

PHOTO



Site Name: WK053
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313293.45E 7616541.72N
 Community: HG2
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*
 Lower Stratum 2: *Dysphania ?plantaginella*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.9 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.9 | | 0.4 |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Dysphania ?plantaginella</i> | 0.1 | | 1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.2 | | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.1 | | 0.1 |
| <i>Stackhousia muricata</i> | 0.2 | | 0.1 |

| | | |
|--------------------------|-----|-----|
| <i>Tribulus hirsutus</i> | 0.2 | 0.1 |
| <i>Triodia wiseana</i> | 0.9 | 30 |

PHOTO



Site Name: WK054
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313532.06E 7616593.31N
 Community: HG5
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >5
 Comments: Broad drainage line/floodplain

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Senna artemisioides* subsp. *helmsii*, *Senna artemisioides* subsp. *oligophylla*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.1 |
| <i>Acacia synchronicia</i> | 1.9 | | 0.2 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.3 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.2 |
| <i>Cucumis melo</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Indigofera colutea</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.2 |
| <i>Polycarpha longiflora</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 1.2 | 10 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | 0.5 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.2 | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 6 |
| <i>Swainsona decurrens</i> | 0.2 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | | |
| <i>Triodia epactia</i> | 0.9 | 0.1 |
| <i>Triodia scintillans</i> | 0.6 | 0.1 |
| <i>Triodia wiseana</i> | 0.9 | 23 |

PHOTO



Site Name: WK055
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 313581.68E 7616827.75N
 Community: HG2
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Mid Stratum 2: *Senna symonii*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.2 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | | 0.1 |
| <i>Senna symonii</i> | 0.9 | | 0.6 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |

| | | |
|----------------------------|-----|-----|
| <i>Triodia scintillans</i> | 0.5 | 35 |
| <i>Triodia wiseana</i> | 0.7 | 0.1 |

PHOTO



Site Name: WK056
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 09/05/2021
 GPS Location: GDA94 Zone 51 312998.19E 7617562.05N
 Community: W1
 Landform Type: Other, FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Calcrete (other), <2% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia arida*, *Acacia pyrifolia* var. *morrisonii*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 3 | | 1 |
| <i>Acacia bivenosa</i> | 1 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 3 | | 0.5 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 70 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.7 | 30 | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 9 | | 2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.5 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Cymbopogon ambiguus</i> | 1.2 | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.3 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.5 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.5 | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | 0.1 |
| <i>Euphorbia careyi</i> | 0.2 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.5 | 0.1 |
| <i>Gossypium australe</i> | 1.8 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Nicotiana benthamiana</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.1 |
| <i>Rhynchosia minima</i> | | 1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | 0.1 |
| <i>Senna venusta</i> | 1.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.3 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.4 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.6 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.3 | 0.1 |
| <i>Triodia epactia</i> | 1.2 | 1 |
| <i>Triodia scintillans</i> | 0.4 | 0.1 |
| <i>Triodia wiseana</i> | 0.7 | 0.1 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.1 |

| | | |
|--------------------------|-----|-----|
| <i>Waltheria virgata</i> | 0.5 | 0.1 |
|--------------------------|-----|-----|

PHOTO



Site Name: WK057
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 314103.21E 7616043.89N
 Community: W1
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: <5
 Comments: Sand sheet/plain on the banks of the river

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*
 Mid Stratum 1: *Acacia monticola*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.5 | | 1 |
| <i>Acacia arida</i> | 0.5 | | 0.1 |
| <i>Acacia colei</i> var. <i>colei</i> | 0.9 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3 | | 0.1 |
| <i>Acacia inaequilatera</i> | 1.7 | | 0.1 |
| <i>Acacia monticola</i> | 2 | | 20 |
| <i>Acacia trachycarpa</i> | 1.5 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia media</i> | 0.1 | | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 1 |
| * <i>Citrullus colocynthis</i> | | | 0.1 |

| | | |
|--|------|-----|
| <i>Clerodendrum tomentosum</i> | 0.3 | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed)) | 0.9 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | 0.4 |
| <i>Corchorus tridens</i> | 0.1 | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 12 | 3 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.4 | 0.2 |
| <i>Cucumis melo</i> | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 1.2 | 0.1 |
| <i>Dampiera candidans</i> | 0.6 | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.2 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.5 | 0.2 |
| <i>Eriachne mucronata</i> | 0.5 | 0.3 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.5 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.35 | 0.3 |
| <i>Gossypium australe</i> | 1.3 | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 0.7 | 0.5 |
| <i>Isotropis atropurpurea</i> | 0.2 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 1 |
| <i>Paspalidium clementii</i> | 0.1 | 0.1 |
| <i>Perotis rara</i> | 0.1 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.2 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.5 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.5 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.6 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.9 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.2 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.2 |
| <i>Senna symonii</i> | 1.3 | 0.1 |

| | | |
|---|-----|-----|
| <i>Sida arenicola</i> | 1.3 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.4 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.4 | 0.2 |
| <i>Triodia epactia</i> | 1.2 | 5 |
| <i>Triodia scintillans</i> | 1 | 0.3 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.1 |
| <i>Waltheria virgata</i> | 0.6 | 0.1 |

PHOTO



Site Name: WK058
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 312109.45E 7618784.44N
 Community: HG7
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Ironstone, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <2 years
 Comments: Abundance of burnt *Acacia* skeletons

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Ptilotus clementii*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 2 | | 1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.3 |
| <i>Eragrostis eriopoda</i> | 0.5 | | 0.5 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 1 |
| <i>Heliotropium crispatum</i> | 0.2 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | | | |

| | | | |
|--|-----|---|-----|
| <i>Ptilotus auriculifolius</i> | 0.4 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 1 |
| <i>Ptilotus clementii</i> | 0.5 | | 3 |
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Swainsona decurrens</i> | | | |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 2 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 15 |

PHOTO



Site Name: WK059
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 312480.36E 7618268.07N
 Community: HG7
 Landform Type: low stony hills (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: <2 years

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Lower Stratum 1: *Triodia wiseana*
 Lower Stratum 2: *Eragrostis desertorum*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.1 | | 0.1 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 8 | | 0.5 |
| <i>Dysphania ?plantaginella</i> | 0.1 | | 0.3 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.4 | | 8 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.2 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.4 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.2 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.2 |
| <i>Ptilotus clementii</i> | 0.5 | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.5 | 0.2 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stackhousia muricata</i> | 0.2 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.7 | 30 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WK060
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/05/2021
 GPS Location: GDA94 Zone 51 311890.77E 7617738.55N
 Community: HG8
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10 years

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Acacia inaequilatera</i> | 1.4 | | 1 |
| <i>Acacia trachycarpa</i> | 1.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.5 | | 0.5 |
| <i>Gossypium australe</i> | 0.9 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.6 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.4 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.8 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Polymeria mollis</i> | 0.3 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.9 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | | | |
| <i>Triodia epactia</i> | 0.9 | | 25 |
| <i>Triodia wiseana</i> | 0.9 | | 25 |

PHOTO



Site Name: WK061
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 315696.62E 7611608.77N
 Community: HG11
 Landform Type: Other, spur of stony hill (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10
 Comments: Detrital (?) spur with large shaley slabs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*
 Lower Stratum 2: *Acacia hilliana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.5 | | 1 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Dampiera candicans</i> | 0.5 | | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.2 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Fimbristylis dichotoma</i> | 0.3 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 1.5 |
| <i>Indigofera monophylla</i> | 0.5 | 0.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.4 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia densa</i> | 0.5 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.4 | 0.1 |
| <i>Tribulopsis angustifolia</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.3 | 0.2 |
| <i>Triodia epactia</i> | 0.9 | 2 |
| <i>Triodia scintillans</i> | 0.9 | 40 |
| <i>Triodia wiseana</i> | 0.9 | 0.1 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.1 |
| <i>Waltheria virgata</i> | 0.9 | 0.2 |

PHOTO



Site Name: WK062
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 315510.1E 7611482.17N
 Community: HG8
 Landform Type: Other, LR - low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Ironstone, calcrete, colluvium (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Flat low rise between two creeks

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.1 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.1 |
| <i>Acacia trachycarpa</i> | 2.3 | | 4 |
| * <i>Aerva javanica</i> | 0.8 | | 4 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia alatisemina</i> | 0.1 | | 0.2 |
| <i>Bonamia media</i> | 0.1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.8 | | 10 |
| <i>Corchorus laniflorus</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 4 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.5 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Hypertelis cerviana</i> | 0.1 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera linifolia</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.2 |
| <i>Petalostylis labicheoides</i> | 2 | | 0.3 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.3 | | 0.1 |
| <i>Triodia epactia</i> | 0.9 | | 15 |
| <i>Triumfetta clementii</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WK063
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 315331.67E 7611227.65N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 3-5 years

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 0.4 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.3 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.2 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | 25 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.9 | | 0.1 |
| <i>Dampiera candicans</i> | 0.6 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.1 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.3 | | 0.2 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1.5 | | 0.2 |

| | | |
|---|-----|-----|
| <i>Fimbristylis simulans</i> | 0.2 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.7 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.5 | 0.3 |
| <i>Heliotropium cunninghamii</i> | 0.2 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Isotropis atropurpurea</i> | 0.4 | 0.2 |
| <i>Paspalidium tabulatum</i> | 0.6 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.3 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.9 | 0.2 |
| <i>Ptilotus clementii</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.7 | 0.2 |
| <i>Ptilotus fusiformis</i> | 0.4 | 0.1 |
| <i>Ptilotus incanus</i> | 0.3 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.9 | 0.5 |
| <i>Triodia scintillans</i> | 0.3 | 20 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.2 |

PHOTO



Site Name: WK064
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 315923.28E 7610180.34N
 Community: HG11
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Granite, >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: 2-3

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ptychophylla</i> | 0.5 | | 0.5 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.3 |
| <i>Calytrix carinata</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.9 | | 0.1 |
| <i>Dampiera candicans</i> | 0.7 | | 15 |
| <i>Dodonaea coriacea</i> | 0.7 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | | | |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.7 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 15 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.8 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.9 | | 0.3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Ptilotus auriculifolius</i> | 0.3 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 1.3 | 0.2 |
| <i>Ptilotus clementii</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.7 | 0.3 |
| <i>Ptilotus fusiformis</i> | 0.5 | 4 |
| <i>Ptilotus incanus</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerksenii</i> | 1.3 | 0.2 |
| <i>Senna notabilis</i> | 0.2 | 0.2 |
| <i>Senna venusta</i> | 1.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Tribulus suberosus</i> | 0.8 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 15 |
| <i>Triumfetta maconochieana</i> | 0.6 | 0.3 |

PHOTO



Site Name: WK065
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/05/2021
 GPS Location: GDA94 Zone 51 316797.47E 7611185.36N
 Community: HG7
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.9 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | | | |
| <i>Acacia bivenosa</i> | 1.8 | | 1 |
| <i>Acacia robeorum</i> | 1.8 | | 1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Aristida contorta</i> | 0.3 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.2 | | 0.1 |
| <i>Enneapogon caeruleascens</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.4 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Hibiscus leptocladus</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.2 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.7 | 0.1 |
| <i>Ptilotus incanus</i> | 0.3 | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | 0.2 |
| <i>Senna notabilis</i> | 0.1 | 0.2 |
| <i>Senna symonii</i> | 1.2 | 0.1 |
| <i>Sida echinocarpa</i> | 0.3 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.4 | 0.1 |
| <i>Sida ?fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum horridum</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.3 |
| <i>Streptoglossa decurrens</i> | 0.3 | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.2 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia epactia</i> | 1 | 1 |
| <i>Triodia longiceps</i> | 1.3 | 35 |
| <i>Triodia wiseana</i> | 0.9 | 0.1 |
| <i>Triumfetta chaetocarpa</i> | 0.3 | 0.1 |

PHOTO



Site Name: WK066
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317382.31E 7611630.28N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Metamorphic (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: 8-10 years

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.9 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.2 |
| <i>Acacia robeorum</i> | 0.6 | | 0.4 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.8 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.3 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.3 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.1 |
| <i>Paspalidium clementii</i> | 0.2 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Polycarpha holtzei</i> | 0.1 | 0.2 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.2 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.2 |
| <i>Salsola australis</i> | 0.1 | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.3 | 0.3 |
| <i>Senna symonii</i> | 0.8 | 0.6 |
| <i>Sida ?echinocarpa</i> | 0.4 | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.3 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | 2 |
| <i>Triodia scintillans</i> | 0.9 | 20 |
| <i>Triodia wiseana</i> | 0.8 | 0.2 |

PHOTO



Site Name: WK067
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317165.39E 7611882.4N
 Community: HG5
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.8 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.3 | | 0.1 |
| <i>Acacia robeorum</i> | 0.5 | | 0.2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.3 | | 0.5 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.6 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.2 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.4 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Lepidium pholidogynum</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Polycarpha corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.2 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 1 |
| <i>Streptoglossa bubakii</i> | 0.1 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.2 | | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | | 0.1 |
| <i>Tragus australianus</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.5 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.1 |
| <i>Triodia longiceps</i> | 1.3 | | 25 |
| <i>Triodia wiseana</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WK068
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317500.49E 7611318.58N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 2 |
| <i>Acacia robeorum</i> | 2 | | 2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca cyclophylla</i> | 0.1 | | 0.1 |
| <i>Portulaca decipiens</i> | 0.3 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | | 0.1 |
| <i>Senna sericea</i> | | | |
| <i>Senna symonii</i> | 0.7 | | 0.2 |
| <i>Sida fibulifera</i> | 0.3 | | 0.2 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Sporobolus australasicus</i> | 0.1 | | 0.5 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.3 |
| <i>Triodia longiceps</i> | 1.3 | | 40 |
| <i>Triodia wiseana</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WK069
 Site Type: QUADRAT
 Dimensions: 40m x 60m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 317136.29E 7611288.54N
 Community: HG11
 Landform Type: UP - undulating plain (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red
 Rock Outcrop: Granite, >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Mining - newly ripped drill pads
 Fire: >10
 Comments: Quadrat dimensions altered due to a newly ripped drill pad on one edge. On rocky rise over both the upper and lower slope

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.2 | | 0.1 |
| <i>Acacia hilliana</i> | 0.5 | | 4 |
| <i>Acacia inaequilatera</i> | 10 | | 0.2 |
| <i>Amaranthus cuspidifolius</i> | | | |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.3 | | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.2 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.2 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Paspalidium clementii</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.1 |
| <i>Seringia nephroperma</i> | 0.8 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.7 | | 0.2 |
| <i>Triodia scintillans</i> | 0.5 | | 90 |

PHOTO



Site Name: WK070
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/05/2021
 GPS Location: GDA94 Zone 51 316301.63E 7611292.89N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Red
 Rock Outcrop: Sandstone (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Sandstone (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.9 | | 0.1 |
| <i>Acacia hilliana</i> | 0.6 | | 6 |
| * <i>Aerva javanica</i> | 0.6 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia erecta</i> | 0.4 | | 0.2 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| * <i>Citrullus colocynthis</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 2.5 | | 0.1 |
| <i>Cucumis ?melo</i> | | | 0.2 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eragrostis olida</i> | 0.3 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.2 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.3 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | 0.2 |
| <i>Gossypium australe</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3.5 | 12 |
| <i>Heliotropium crispatum</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.4 |
| <i>Isotropis atropurpurea</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.2 |
| <i>Polycarpaea longiflora</i> | 0.3 | 0.2 |
| <i>Pterocaulon</i> sp. | 0.1 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.5 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Solanum gabrielae</i> | 0.8 | 0.3 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Solanum ?phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.3 | 0.1 |
| <i>Triodia epactia</i> | 0.9 | 35 |
| <i>Triodia scintillans</i> | 0.4 | 6 |
| <i>Triumfetta maconochieana</i> | 0.6 | 0.1 |

PHOTO



Site Name: WK071
 Site Type: QUADRAT
 Dimensions: 166.6m x 15m
 Survey Date: 13/05/2021
 GPS Location: GDA94 Zone 51 317382.32E 7605087.92N
 Community: S2
 Landform Type: FL-flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*
 Upper Stratum 2: *Acacia coriacea* subsp. *pendens*, *Atalaya hemiglauca*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.8 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.3 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 8 | | 10 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.8 | | 0.5 |
| <i>Acacia trachycarpa</i> | 2.5 | | 2 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Alternanthera denticulata</i> | 0.2 | | 0.2 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 5 | | 2 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 1 |
| <i>Bothriochloa ewartiana</i> | 0.8 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.7 | | 30 |
| * <i>Cenchrus setiger</i> | 0.5 | | 1 |
| <i>Chrysopogon fallax</i> | 1.3 | | 0.1 |
| * <i>Citrullus colocynthis</i> | | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Corymbia hamersleyana</i> | 4 | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | 0.1 |
| <i>Cucumis variabilis</i> | | 0.2 |
| <i>Cynodon convergens</i> | 0.3 | 6 |
| * <i>Cynodon dactylon</i> | 0.2 | 0.1 |
| * <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 0.8 | 0.1 |
| <i>Dichrostachys spicata</i> | 1.3 | 0.1 |
| <i>Dicladantha forrestii</i> | 0.3 | 0.1 |
| <i>Duperreya commixta</i> | | 0.1 |
| <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> | 0.5 | 0.1 |
| <i>Eragrostis tenellula</i> | 0.3 | 0.3 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 13 | 8 |
| <i>Eucalyptus victrix</i> | | |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1.3 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.2 | 0.1 |
| <i>Ipomoea muelleri</i> | | 1 |
| <i>Melhania oblongifolia</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.1 |
| <i>Phyllanthus erwinii</i> | 0.4 | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.2 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Scaevola spinescens</i> | 0.9 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sesbania cannabina</i> | 0.3 | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.3 |
| <i>Streptoglossa decurrens</i> | 0.1 | 0.1 |
| * <i>Trianthema portulacastrum</i> | 0.1 | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Tribulopsis angustifolia</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.7 | 0.1 |
| <i>Triodia longiceps</i> | 0.9 | 0.1 |

PHOTO



Site Name: WK072
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/05/2021
 GPS Location: GDA94 Zone 51 317881.23E 7608485.35N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm, >2000mm
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: 5-10 years ago

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia scintillans*
 Lower Stratum 2: *Acacia hilliana*, *Dampiera candidans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1 | | 0.1 |
| <i>Acacia hilliana</i> | 0.6 | | 1 |
| <i>Acacia robeorum</i> | 1.3 | | 0.2 |
| * <i>Aerva javanica</i> | 0.6 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.7 | | 0.7 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.2 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Dampiera candidans</i> | 0.6 | | 3 |
| <i>Dodonaea coriacea</i> | 0.8 | | 0.2 |
| <i>Dysphania rhadinostachya</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|---|-----|
| <i>Eragrostis olida</i> | 0.4 | 7 | 0.1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | | | |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.2 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.3 |
| <i>Gomphrena cunninghamii</i> | 0.3 | | 0.2 |
| <i>Goodenia microptera</i> | 0.6 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 4 |
| <i>Isotropis atropurpurea</i> | | | |
| <i>Paraneurachne muelleri</i> | 0.5 | | 0.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.2 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.8 | | 0.3 |
| <i>Ptilotus clementii</i> | 0.7 | | 0.3 |
| <i>Ptilotus exaltatus</i> | 0.9 | | 0.5 |
| <i>Ptilotus incanus</i> | | | |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.3 | | 0.1 |
| <i>Solanum gabrielae</i> | | | |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.3 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | | | |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.6 | | 25 |
| <i>Triodia wiseana</i> | | | |
| <i>Triumfetta maconochieana</i> | 0.7 | | 0.2 |

PHOTO



Site Name: WK073
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/05/2021
 GPS Location: GDA94 Zone 51 315797.51E 7607850.71N
 Community: HG1
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.2 |
| <i>Acacia ptychophylla</i> | 0.6 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 9 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.5 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Maireana melanocoma</i> | 0.4 | 0.1 |
| <i>Mirbelia viminalis</i> | 0.9 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.2 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.8 | 0.3 |
| <i>Ptilotus clementii</i> | 0.6 | 0.3 |
| <i>Ptilotus exaltatus</i> | 0.6 | 0.3 |
| <i>Sclerolaena densiflora</i> | 0.2 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.1 | 0.4 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.3 | 0.1 |
| <i>Senna symonii</i> | 0.7 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | 0.1 |
| <i>Triodia longiceps</i> | 0.9 | 0.5 |
| <i>Triodia scintillans</i> | 0.8 | 35 |
| <i>Triodia wiseana</i> | 0.7 | 1 |

PHOTO



Site Name: WKREV001
 Site Type: RELEVE
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 316408E 7592502N
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sand
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: river stone/colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Habitat: Located in a channel/flowline, banks bordered by WKREV001 with understory dominated by *Themeda triandra*

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Upper Stratum 2: *Acacia eriopoda*
 Lower Stratum 1: *Themeda triandra*
 Lower Stratum 2: *Chrysopogon fallax*, *Eulalia aurea*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | | | |
| <i>Acacia eriopoda</i> | 4 | | 40 |
| <i>Afrohybanthus aurantiacus</i> | | | |
| <i>Aristida contorta</i> | | | |
| <i>Chrysopogon fallax</i> | 1.3 | | 2 |
| <i>Cucumis ?melo</i> | | | |
| <i>Eragrostis cumingii</i> | | | |
| <i>Eremophila galeata</i> | | | |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 12 | | 2 |
| <i>Eulalia aurea</i> | 1.3 | | 5 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | | | |
| <i>Paraneurachne muelleri</i> | 0.6 | | 2 |
| <i>Paspalidium rarum</i> | | | |
| <i>Phyllanthus maderaspatensis</i> | | | |
| <i>Polygala glaucifolia</i> | | | |

| | | | |
|---|-----|--|----|
| <i>Ptilotus fusiformis</i> | | | |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | | | |
| <i>Sporobolus australasicus</i> | | | |
| <i>Streptoglossa decurrens</i> | | | |
| <i>Themeda triandra</i> | 1.2 | | 30 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | | | |
| <i>Triodia epactia</i> | | | |

PHOTO



Site Name: WM001
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/03/2021
 GPS Location: GDA94 Zone 51 317433.21E 7598924.36N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2.2 | | 7 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 2 |
| <i>Cucumis melo</i> | 1.5 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.3 | | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.2 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Paspalidium tabulatum</i> | 0.2 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.2 |
| <i>Rhagodia eremaea</i> | 0.5 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 20 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.5 |

PHOTO



Site Name: WM002
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 317968.86E 7592311.71N
 Community: HG2
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Types: Laterite, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia synchronicia</i> | 1 | | 0.5 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Cucumis melo</i> | 0.5 | | 0.2 |
| <i>Dactyloctenium radulans</i> | 0.2 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Ipomoea polymorpha</i> | 0.1 | | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | | 0.1 |
| <i>Senna symonii</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.2 |
| <i>Triodia wiseana</i> | 0.5 | | 25 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WM003
 Site Type: QUADRAT
 Dimensions: 10m x 250m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 318367.58E 7592169.75N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Laterite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds
 Fire: >10
 Comments: Quadrat includes drainage line and banks, 10 m wide

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 1.5 | | 0.2 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.8 |
| <i>Acacia trachycarpa</i> | 1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.7 | | 0.4 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Cajanus cinereus</i> | 0.5 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.9 | | 40 |
| <i>Chloris pumilio</i> | 0.4 | | 0.5 |
| <i>Corchorus laniflorus</i> | 0.3 | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.8 | | 1 |
| <i>Dactyloctenium radulans</i> | 0.3 | | 1 |
| <i>Eriachne tenuiculmis</i> | 0.5 | | 0.3 |
| <i>Eucalyptus victrix</i> | 15 | | 2 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | | 0.1 |
| <i>Melaleuca glomerata</i> | 3 | | 5 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Panicum decompositum</i> | 0.5 | | 0.3 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Pluchea tetranthera</i> | 0.1 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.4 | | 3 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WM004
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/03/2021
 GPS Location: GDA94 Zone 51 318050.07E 7591912N
 Community: HG5
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite, Laterite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.2 |
| <i>Acacia synchronicia</i> | 2.2 | | 4.5 |
| <i>Anthobolus leptomerioides</i> | 0.5 | | 0.2 |
| <i>Aristida contorta</i> | 0.4 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.3 |
| <i>Chrysopogon fallax</i> | 0.9 | | 0.2 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.2 |
| <i>Eragrostis xerophila</i> | 0.3 | | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.3 | | 0.2 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | | 0.1 |
| <i>Maireana ?villosa</i> | 0.3 | | 0.2 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.2 |
| <i>Pterocaulon sphacelatum</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Rhagodia eremaea</i> | 0.5 | | 0.4 |
| <i>Rhynchosia minima</i> | | | 0.2 |
| <i>Salsola australis</i> | 0.3 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.4 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 3 | | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | | 0.1 |
| <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i> | 0.2 | | 0.2 |
| <i>Trichodesma zeylanicum</i> | 0.6 | | 0.2 |
| <i>Triodia wiseana</i> | 0.5 | | 19 |

PHOTO



Site Name: WM005
 Site Type: QUADRAT
 Dimensions: 10m x 250m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 317497.72E 7592526.48N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: N
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphic, Colluvium (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Acacia coriacea* subsp. *pendens*, *Acacia trachycarpa*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3 | | 5.2 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.5 | | 0.4 |
| <i>Acacia trachycarpa</i> | 2.5 | | 5 |
| <i>Atalaya hemiglauca</i> | 2.8 | | 2.5 |
| <i>Cajanus cinereus</i> | 0.4 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 10 |
| <i>Chrysopogon fallax</i> | 0.5 | | 0.2 |
| <i>Corchorus laniflorus</i> | 0.4 | | 0.2 |
| <i>Ehretia saligna</i> var. <i>saligna</i> | 1.2 | | 0.4 |
| <i>Eucalyptus victrix</i> | 12 | | 30 |
| <i>Gossypium australe</i> | 1.5 | | 0.5 |
| <i>Gossypium robinsonii</i> | 2.5 | | 0.2 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.5 | | 0.2 |

| | | | |
|------------------------------------|-----|--|-----|
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.3 |
| <i>Rhynchosia minima</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WM006
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 317731.14E 7592594.48N
 Community: TG1
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Laterite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia trachycarpa*, *Hakea lorea* subsp. *lorea*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> x <i>sclerosperma</i> subsp. <i>sclerosperma</i> | 2.3 | | 0.4 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2 | | 0.2 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 2 | | 0.2 |
| <i>Acacia synchronicia</i> | 3 | | 2 |
| <i>Acacia trachycarpa</i> | 2 | | 8 |
| * <i>Aerva javanica</i> | 0.5 | | 0.5 |
| <i>Atalaya hemiglauca</i> | 3 | | 1.5 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 55 |
| <i>Corchorus laniflorus</i> | 0.3 | | 0.1 |
| <i>Corchorus tridens</i> | 0.1 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.3 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 4 | | 5 |
| <i>Ipomoea muelleri</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Senna venusta</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 1 |
| <i>Triodia wiseana</i> | 0.5 | | 2 |

PHOTO



Site Name: WM007
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 318421.18E 7590158.52N
 Community: HG3
 Landform Type: UP - undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Laterite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: <10

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Eremophila* sp. Rudall River (P.G. Wilson 10512)
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Aristida contorta</i> | 0.2 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.2 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.2 |
| <i>Eragrostis xerophila</i> | 0.3 | | 0.3 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2) | 1.6 | | 3.5 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.3 |
| <i>Triodia brizoides</i> | 0.3 | | 2 |
| <i>Triodia wiseana</i> | 0.4 | | 20 |

PHOTO



Site Name: WM008
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 21/03/2021
 GPS Location: GDA94 Zone 51 318899.55E 7590593.72N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: WNW
 Soil Type: Sandy Loam
 Soil Colour: Red
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolerite, Laterite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 1.5 | | 0.3 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.5 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.1 |
| <i>Amaranthus</i> sp. | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.8 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Cajanus cinereus</i> | 0.2 | | 0.1 |
| <i>*Cenchrus ciliaris</i> | 0.5 | | 40 |
| <i>Corchorus laniflorus</i> | 0.3 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Cucumis variabilis</i> | | 0.2 |
| <i>Cullen leucanthum</i> | 2 | 2 |
| <i>Cyperus vaginatus</i> | 0.6 | 5 |
| <i>Dicladantha forrestii</i> | | |
| <i>Eriachne tenuiculmis</i> | 0.4 | 2 |
| <i>Eucalyptus victrix</i> | 10 | 20 |
| <i>Euphorbia biconvexa</i> | 0.4 | 0.1 |
| <i>Euphorbia careyi</i> | 0.3 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1 | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | 0.1 |
| <i>Melaleuca glomerata</i> | 3 | 3 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Operculina aequisejala</i> | | 0.2 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon</i> sp. | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | 0.1 |
| <i>Stemodia</i> sp. | 0.1 | 0.1 |

PHOTO



Site Name: WM009
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 318718.39E 7589024.54N
 Community: HG3
 Landform Type: Closed Depression
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: white (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite, Laterite, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10
 Comments: Quadrat captures depression and some of the surrounding slopes

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia synchronicia</i> | 0.8 | | 0.6 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 0.5 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 3 |
| <i>Dactyloctenium radulans</i> | 0.3 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Iseilema dolichotrichum</i> | 0.1 | | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Salsola australis</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.2 | | 0.1 |
| <i>Sida</i> ? <i>fibulifera</i> | 0.1 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.3 | | 0.5 |

| | | | |
|---|-----|--|-----|
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 10 |

PHOTO



Site Name: WM010
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 318773.12E 7588804.24N
 Community: HG3
 Landform Type: LR - low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NNW
 Soil Type: Sandy Clay Loam
 Soil Colour: grey brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolerite, Laterite, calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: 3-5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Acacia inaequilatera</i> | 0.3 | | 0.2 |
| <i>Acacia synchronicia</i> | 0.3 | | 0.7 |
| * <i>Aerva javanica</i> | 0.4 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 1 | | 0.2 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.6 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.3 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.2 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platyclamys</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.4 | | 0.1 |
| <i>Senna venusta</i> | 0.2 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.3 | | 0.4 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |

| | | |
|------------------------|-----|----|
| <i>Triodia wiseana</i> | 0.4 | 10 |
|------------------------|-----|----|

PHOTO



Site Name: WM011
 Site Type: QUADRAT
 Dimensions: 30m x 82m
 Survey Date: 22/03/2021
 GPS Location: GDA94 Zone 51 317687.08E 7588356.01N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite, Laterite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus victrix*
 Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: **Cenchrus ciliaris*
 Lower Stratum 2: *Corchorus laniflorus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 1.8 | | 0.2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 4 | | 0.6 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 0.2 |
| <i>Acacia trachycarpa</i> | 1.5 | | 0.2 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Amaranthus</i> sp. | 0.1 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2.4 | | 1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Bulbostylis barbata</i> | 0.1 | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | 20 |
| <i>Corchorus laniflorus</i> | 0.5 | 30 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cynanchum floribundum</i> | | 0.2 |
| <i>Ehretia saligna</i> var. <i>saligna</i> | 0.1 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.4 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.9 |
| <i>Eucalyptus victrix</i> | 10 | 10 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.1 |
| <i>Euphorbia careyi</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1.2 | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 2.5 |
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.3 | 0.3 |
| <i>Rhynchosia minima</i> | 0.1 | 0.1 |
| <i>Stemodia</i> sp. | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.8 | 0.2 |
| <i>Triodia epactia</i> | 0.3 | 0.1 |

PHOTO



Site Name: WM012
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 319071.6E 7588291.94N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Calcrete, Chert (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: calcrete, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - recent fire
 Fire: <5

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.3 | | 0.1 |
| <i>Acacia arida</i> | 0.4 | | 0.2 |
| <i>Acacia inaequilatera</i> | 2 | | 0.6 |
| <i>Acacia maitlandii</i> | 0.3 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Cucumis melo</i> | 0.4 | | 0.2 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.2 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.5 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 0.5 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Polycarphaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.2 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.6 | | 0.2 |
| <i>Sida</i> sp. Excedentifolia (J.L. Egan 1925) | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.3 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 20 |

PHOTO



Site Name: WM013
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 317860.4E 7587976.39N
 Community: S2
 Landform Type: Lower Slope
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Laterite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, (other) - recent fire
 Fire: <2

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.5 | | 0.2 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.2 |
| <i>Acacia synchronicia</i> | 0.3 | | 0.2 |
| * <i>Aerva javanica</i> | 0.4 | | 0.2 |
| <i>Atalaya hemiglauca</i> | 0.4 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 0.2 |
| <i>Cucumis melo</i> | 0.4 | | 0.1 |
| <i>Ehretia saligna</i> var. <i>saligna</i> | 0.3 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.2 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.2 | | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.4 | | 0.1 |
| <i>Gossypium robinsonii</i> | 0.5 | | 0.2 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.5 |
| <i>Heliotropium crispatum</i> | 0.3 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.2 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.2 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>x sturtii</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.3 | | 0.2 |
| <i>Sida</i> ? <i>clementii</i> | 0.4 | | 0.2 |
| <i>Sida echinocarpa</i> | 0.4 | | 0.3 |
| <i>Sida</i> ? <i>fibulifera</i> | 0.3 | | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.2 |
| <i>Sporobolus actinocladus</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | | 0.1 |
| <i>Tephrosia supina</i> | 0.2 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 10 |

PHOTO



Site Name: WM014
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/03/2021
 GPS Location: GDA94 Zone 51 318304.52E 7587480.38N
 Community: HG10
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Quartz (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - recent fire
 Fire: 3-5

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia inaequilatera*
 Mid Stratum 1: *Corchorus laniflorus*
 Lower Stratum 1: *Triodia brizoides*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.5 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 0.4 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.5 | | 2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus laniflorus</i> | 0.5 | | 10 |
| <i>Cucumis melo</i> | 0.4 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.3 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.5 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.5 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.9 | | 0.3 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.3 |
| <i>Triodia brizoides</i> | 0.3 | | 10 |

PHOTO



Site Name: WM015
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/05/2021
 GPS Location: GDA94 Zone 51 317276.71E 7613537.57N
 Community: HG5
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NNW
 Soil Type: Clayey Sand
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle
 Fire: >5

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.5 | | 0.9 |
| <i>Acacia ptychophylla</i> | 0.5 | | 0.2 |
| <i>Acacia robeorum</i> | 1 | | 0.2 |
| <i>Acacia synchronicia</i> | 0.5 | | 0.1 |
| <i>Acacia trachycarpa</i> | 0.6 | | 0.2 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Corchorus laniflorus</i> | 0.3 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus ?auriculifolius</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus exaltatus</i> | 0.5 | | 0.2 |
| <i>Sclerolaena densiflora</i> | 0.2 | | 0.3 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.3 |
| <i>Sida ?fibulifera</i> | 0.1 | | 0.1 |
| <i>Solanum</i> sp. | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.3 | | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.2 |
| <i>Triodia longiceps</i> | 0.6 | | 20 |
| <i>Triodia scintillans</i> | 0.3 | | 0.4 |

PHOTO



Site Name: WM016
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/05/2021
 GPS Location: GDA94 Zone 51 316762.48E 7612978.85N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Chert (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Laterite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Mining - rehab track to NE and NW of quadrat
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.4 | | 0.2 |
| <i>Acacia inaequilatera</i> | 1.2 | | 0.2 |
| <i>Acacia ptychophylla</i> | 0.4 | | 1 |
| <i>Atalaya hemiglauca</i> | 0.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 5.2 | | 2 |
| <i>Cucumis melo</i> | 1.6 | | 0.5 |
| <i>Dampiera candicans</i> | 0.5 | | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.4 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | | | |
| <i>Ptilotus calostachyus</i> | 0.2 | | 0.3 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |

| | | | |
|----------------------------|-----|--|-----|
| <i>Senna symonii</i> | 1.6 | | 0.5 |
| <i>Triodia epactia</i> | 0.3 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 60 |

PHOTO



Site Name: WM017
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 315967.68E 7619658.87N
 Community: HG1
 Landform Type: Lower Slope, UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: WSW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Laterite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 0.3 | | 0.3 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.2 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.5 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna symonii</i> | 0.6 | | 0.5 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1 | | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | | 20 |
| <i>Triodia wiseana</i> | 0.4 | | 7 |

PHOTO



Site Name: WM018
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 315929.64E 7619495.33N
 Community: HG1
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Laterite, calcrete, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.4 | | 0.8 |
| <i>Acacia robeorum</i> | 0.8 | | 0.6 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.2 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 4 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.3 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | | | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Senna symonii</i> | 0.5 | | 0.2 |
| <i>Solanum ?lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.3 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 20 |

PHOTO



Site Name: WM019
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316389.76E 7619307.77N
 Community: HG12
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Chert (other), 10-20% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: dolomite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1 | | 3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | 90 | 5 |
| <i>Cynanchum floribundum</i> | | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | | 0.5 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 20 |
| <i>Waltheria virgata</i> | 0.6 | | 0.1 |

PHOTO



Site Name: WM020
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 317896.07E 7619402.09N
 Community: HG10
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SSE
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 3.5 | | 3 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1 | | 0.2 |
| <i>Aristida contorta</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.2 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 1.2 | | 0.3 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2.5 | | 2.5 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | | 1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1 | | 0.5 |
| <i>Solanum</i> sp. | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 30 |
| <i>Triodia wiseana</i> | 0.3 | | 2 |

PHOTO



Site Name: WM021
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 317330.71E 7619378.44N
 Community: HG1
 Landform Type: Mid Slope
 Slope Class: Steep (23 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Chert (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.6 | | 0.5 |
| <i>Acacia hilliana</i> | 0.5 | | 0.1 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.7 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 2 | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.2 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 0.6 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.5 | | 0.3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 4 | | 2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.2 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Indigofera monophylla</i> | 0.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.2 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Schizachyrium fragile</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.6 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1 | | 0.3 |
| <i>Senna symonii</i> | 0.6 | | 0.2 |
| <i>Sida ?clementii</i> | 0.3 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.2 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 5 |
| <i>Triodia wiseana</i> | 0.4 | | 24 |

PHOTO



Site Name: WM022
 Site Type: QUADRAT
 Dimensions: 30m x 85m
 Survey Date: 21/05/2021
 GPS Location: GDA94 Zone 51 316894.03E 7618641.68N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Granite, Laterite, chert (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 0.8 | | 0.1 |
| <i>Acacia arida</i> | 1.8 | | 0.2 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.5 |
| <i>Acacia ptychophylla</i> | 0.9 | | 0.5 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.5 | | 2 |
| * <i>Aerva javanica</i> | 0.5 | | 0.8 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.3 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.3 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Cajanus cinereus</i> | 1.5 | | 1 |
| * <i>Calotropis procera</i> | 2 | | 0.1 |
| <i>Carissa lanceolata</i> | 1.2 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 65 |

| | | | |
|---|-----|--|-----|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 0.8 |
| <i>Corymbia hamersleyana</i> | 3 | | 3 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 0.6 | | 1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.3 | | 0.2 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.3 |
| <i>Gossypium australe</i> | 1 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.2 |
| <i>Indigofera monophylla</i> | 0.6 | | 0.2 |
| <i>Melhania oblongifolia</i> | 0.4 | | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |
| <i>Petalostylis labicheoides</i> | 2.5 | | 2 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | | 0.2 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.2 |
| <i>Polymeria mollis</i> | 0.3 | | 0.2 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.6 | | 0.3 |
| <i>Ptilotus astrolasius</i> | 0.6 | | 0.7 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Santalum lanceolatum</i> | 1 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Swainsona formosa</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.2 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 1 |
| <i>Waltheria virgata</i> | 0.6 | | 0.2 |

PHOTO



Site Name: WM023
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 314940.2E 7619133.79N
 Community: HG12
 Landform Type: LR - low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Acacia arida*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 10 |
| * <i>Aerva javanica</i> | 0.5 | 3 | 0.2 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | 11 | 0.4 |
| <i>Cynanchum floribundum</i> | 0.2 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.4 | | 0.2 |
| <i>Eragrostis desertorum</i> | 0.3 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.3 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.4 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.2 |

| | | | |
|---|-----|--|-----|
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Senna venusta</i> | 0.1 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.3 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.4 | | 0.3 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 8 |
| <i>Triodia wiseana</i> | 0.4 | | 6 |

PHOTO



Site Name: WM024
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 314745.35E 7618505.25N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Eroded Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: eroded dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10
 Comments: Top of low hill

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.7 | | 8 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 11 | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.6 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.3 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | | | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 1 | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 15 |

PHOTO



Site Name: WM025
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 315034.09E 7617946.58N
 Community: W1
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.8 | | 2 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 1.8 | | 0.3 |
| * <i>Aerva javanica</i> | 0.5 | 50 | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.3 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 0.3 | | 0.4 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.5 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 150 | 1.5 |
| <i>Corymbia hamersleyana</i> | 4 | | 1 |
| <i>Cucumis melo</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.2 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.4 | | 0.5 |
| <i>Eragrostis desertorum</i> | 0.4 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.5 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia stobbsiana</i> | 0.4 | 0.2 |
| <i>Gossypium australe</i> | 1 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3.5 | 1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | 0.4 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.3 | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 1 | 1 |
| * <i>Malvastrum americanum</i> | 0.4 | 0.2 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.6 | 0.7 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.2 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.3 | 0.1 |
| <i>Ptilotus axillaris</i> | | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.2 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>x sturtii</i> | 0.3 | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | 0.2 |
| <i>Solanum ?lasiophyllum</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1.2 | 0.9 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 3 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.2 |

PHOTO



Site Name: WM026
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 314490.83E 7617426.88N
 Community: HG11
 Landform Type: Upper Slope, LR - low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, Quartz (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Quartz, Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

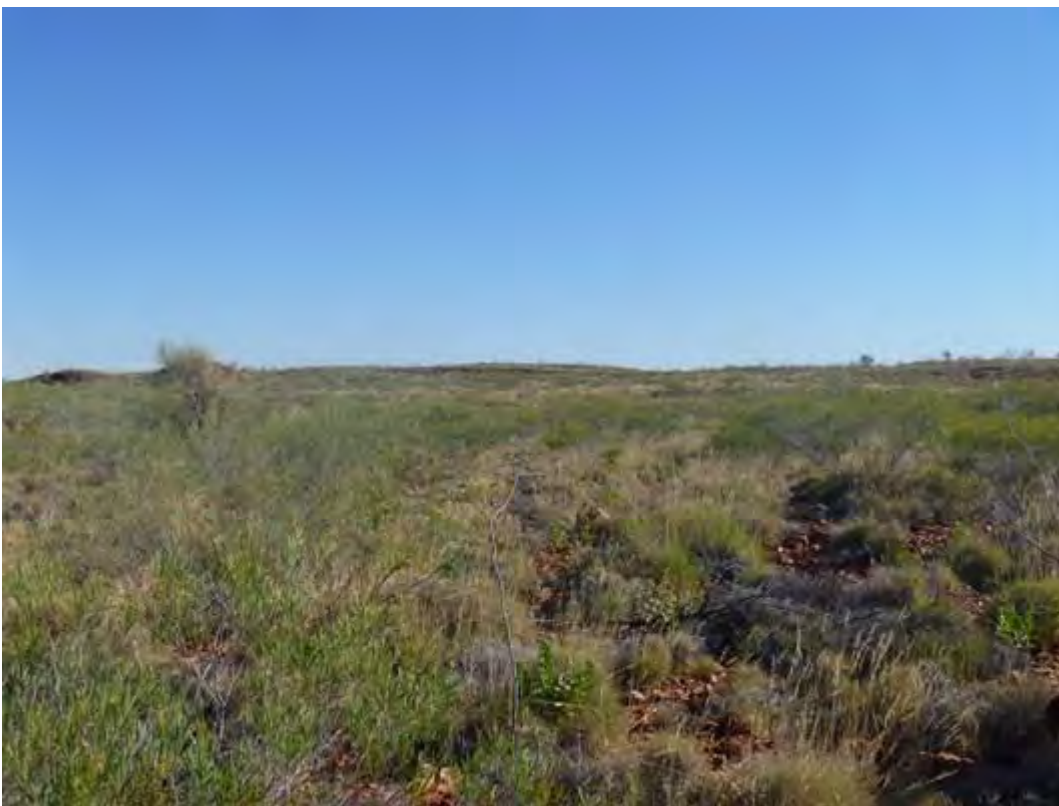
Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1 | | 4 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 20 | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.9 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 0.6 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.3 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | | 0.4 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.5 | | 0.4 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.3 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 1 |
| <i>Triodia scintillans</i> | 0.4 | | 30 |

PHOTO



Site Name: WM027
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 22/05/2021
 GPS Location: GDA94 Zone 51 315606.81E 7616250.59N
 Community: HG12
 Landform Type: Upper Slope, LR - low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 4.2 |
| * <i>Aerva javanica</i> | 0.1 | 2 | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | 35 | 0.7 |
| <i>Corymbia hamersleyana</i> | 3.5 | | 0.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Portulaca decipiens</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia densa</i> | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.3 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.9 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 0.6 |
| <i>Triodia wiseana</i> | 3.5 | | 10 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.6 |

PHOTO



Site Name: WM028
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 318587.09E 7613857.54N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Level (0 degrees)
 Aspect: SSE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Laterite, dolomite, sandstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. ? <i>sp. Dioicum</i> (A.A. Mitchell PRP 1618) | 0.5 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 0.6 | | 0.1 |
| <i>Acacia colei</i> var. <i>colei</i> | 2 | | 1 |
| <i>Acacia monticola</i> | 1.9 | | 0.6 |
| <i>Acacia monticola</i> x <i>trachycarpa</i> | 2 | | 4 |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | 0.6 | | 0.1 |
| <i>Acacia trachycarpa</i> | 4 | | 4 |
| <i>Achyranthes aspera</i> | 2.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.6 | | 0.2 |
| <i>Alysicarpus muelleri</i> | 0.5 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.2 |
| <i>Atalaya hemiglauca</i> | 3 | | 0.9 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pannosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Buchnera linearis</i> | 0.3 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 1 | | 0.4 |

| | | |
|---|-----|------|
| * <i>Cenchrus ciliaris</i> | 0.5 | 4 |
| <i>Chrysopogon fallax</i> | 0.6 | 1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | 0.2 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 8 | 0.9 |
| <i>Cullen lachnostachys</i> | 0.1 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.6 | 0.5 |
| <i>Cyperus vaginatus</i> | 0.5 | 0.1 |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | 0.1 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.1 | 0.1 |
| <i>Eriachne benthamii</i> | 0.5 | 1 |
| <i>Eucalyptus victrix</i> | 7 | 8 |
| <i>Euphorbia biconvexa</i> | 0.5 | 0.01 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.2 | 0.1 |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | 1 | 0.2 |
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1.6 | 0.6 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | 0.5 |
| <i>Indigofera monophylla</i> | 0.4 | 0.2 |
| <i>Operculina aequisejala</i> | | 0.2 |
| <i>Phyllanthus maderaspatensis</i> | 0.5 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.2 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.3 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>x sturtii</i> | 0.2 | 0.1 |
| <i>Senna notabilis</i> | 0.3 | 0.2 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.1 | 0.1 |
| <i>Solanum horridum</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Stemodia grossa</i> | 0.1 | 0.1 |
| <i>Striga squamigera</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.5 |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 0.5 | 0.5 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 6 |
| <i>Triodia longiceps</i> | 0.5 | 0.8 |
| <i>Triumfetta chaetocarpa</i> | 0.3 | 0.1 |
| <i>Wahlenbergia tumidifructa</i> | 0.2 | 0.1 |

PHOTO



Site Name: WM029
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 318472.9E 7614110.28N
 Community: HG10
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Quartz, Chert (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 60-200mm
 CF Types: Dolerite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Comments: lots of dead *Triodia* without evidence of fire

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.2 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 4 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | | 0.4 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 15 |
| <i>Triodia scintillans</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WM030
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 317845.85E 7614189.8N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.6 | | 0.2 |
| <i>Acacia hilliana</i> | 0.4 | | 0.3 |
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia monticola</i> | 0.9 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.3 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | | | |
| <i>Dampiera candicans</i> | 0.3 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.2 | | 0.1 |
| <i>Senna symonii</i> | 0.6 | | 0.5 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.4 | | 0.1 |

| | | | |
|----------------------------|-----|--|-----|
| <i>Solanum phlomoides</i> | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 40 |
| <i>Waltheria virgata</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WM031
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 318051.37E 7613738.78N
 Community: HG11
 Landform Type: Ridge
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 1 | | 0.6 |
| <i>Acacia hilliana</i> | 0.5 | | 0.5 |
| <i>Acacia monticola</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.5 | | 1 |
| <i>Dampiera candidans</i> | 0.4 | | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 5 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.3 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 15 |
| <i>Triumfetta maconochieana</i> | 0.5 | | 0.1 |
| <i>Waltheria virgata</i> | 0.4 | | 0.5 |

PHOTO



Site Name: WM032
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 317974.87E 7613340.28N
 Community: HG10
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SSE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 3.5 | | 3 |
| <i>Bonamia pilbarensis</i> | 0.5 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.7 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.7 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.8 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 25 |
| <i>Triodia scintillans</i> | 0.4 | | 3 |

PHOTO



Site Name: WM033
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 23/05/2021
 GPS Location: GDA94 Zone 51 320252.78E 7597662.43N
 Community: HG10
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.5 | | 1 |
| <i>Acacia inaequilatera</i> | 2 | | 2 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia alatisemina</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.6 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus laniflorus</i> | 0.2 | | 1 |
| <i>Enneapogon polyphyllus</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 9 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.4 | | 0.1 |
| <i>Ptilotus axillaris</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>x sturtii</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.5 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna notabilis</i> | 0.1 | | 0.2 |
| <i>Sida ?echinocarpa</i> | 0.4 | | 3 |
| <i>Solanum phlomoides</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia brizoides</i> | 0.1 | | 20 |

PHOTO



Site Name: WM034
 Site Type: QUADRAT
 Dimensions: 30m x 85m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 319926.24E 7597798.28N
 Community: HG11
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Calcrete (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, calcrete, chert (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - cattle
 Fire: <5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.4 | | 0.5 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.6 |
| <i>Corymbia hamersleyana</i> | 3.5 | | 1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.8 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Hibiscus coatesii</i> | 0.3 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.2 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |

| | | |
|---|-----|------|
| <i>Paraneurachne muelleri</i> | 0.4 | 0.1 |
| <i>Petalostylis labicheoides</i> | 1 | 1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.01 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.2 |
| <i>Ptilotus clementii</i> | 0.4 | 0.3 |
| <i>Ptilotus exaltatus</i> | 0.4 | 0.2 |
| <i>Ptilotus incanus</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | 0.1 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Senna symonii</i> | 0.4 | 0.1 |
| <i>Sida ?echinocarpa</i> | 0.3 | 0.6 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.2 | 0.2 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Solanum</i> sp. | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.3 | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.5 | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | 1 |
| <i>Triodia scintillans</i> | 0.2 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 10 |
| <i>Triumfetta maconochieana</i> | 0.3 | 0.2 |
| <i>Waltheria indica</i> | 0.2 | 0.1 |
| <i>Waltheria virgata</i> | 0.3 | 0.1 |

PHOTO



Site Name: WM035
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 319481.3E 7598064.13N
 Community: HG11
 Landform Type: UP - undulating plain (other)
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Granite, Dolerite, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <10 years

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.6 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 0.3 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.8 |
| <i>Acacia robeorum</i> | 2 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.3 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.3 |
| <i>Cullen stipulaceum</i> | 0.3 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.3 | | 0.2 |
| <i>Gossypium australe</i> | 0.4 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.4 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.2 | | 0.8 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.4 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.3 | | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.2 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.5 |
| <i>Triodia longiceps</i> | 0.6 | | 15 |

PHOTO



Site Name: WM036
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 318247.26E 7596631.55N
 Community: HG1
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Laterite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Acacia robeorum</i> | 0.5 | | 0.4 |
| <i>Acacia synchronicia</i> | 3.4 | | 0.4 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |
| <i>Senna sericea</i> | 1.5 | | 2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia brizoides</i> | 0.4 | | 1 |
| <i>Triodia wiseana</i> | 0.3 | | 20 |

PHOTO



Site Name: WM037
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 313176.65E 7594813.66N
 Community: S1
 Landform Type: UP - undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 2 | | 0.8 |
| <i>Acacia ancistrocarpa</i> | 1.5 | | 0.4 |
| <i>Acacia arida</i> | 1.4 | | 4 |
| <i>Acacia bivenosa</i> | 1.4 | | 2.8 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.4 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.5 | | 0.2 |
| <i>Bonamia erecta</i> | 0.3 | | 0.1 |
| <i>Dampiera candicans</i> | 0.2 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.4 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.3 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.3 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | | 0.9 |
| <i>Senna symonii</i> | 1.2 | | 1.5 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Trianthema glossostigmum</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 2 |
| <i>Triodia scintillans</i> | 0.5 | | 19 |

PHOTO



Site Name: WM038
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 24/05/2021
 GPS Location: GDA94 Zone 51 313157.02E 7593943.47N
 Community: S1
 Landform Type: FL-flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle, (other) - flooding
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adsurgens</i> | 0.5 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 19 | | 28 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 1.9 | | 12 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.6 | | 0.6 |
| <i>Bonamia erecta</i> | 0.3 | | 0.2 |
| <i>Bonamia media</i> | 0.1 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.7 | | 7 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.4 |
| <i>Corymbia hamersleyana</i> | 6 | | 3 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dampiera candicans</i> | 0.1 | | 0.1 |
| <i>Dicrastylis cordifolia</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.3 | | 0.3 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.2 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.1 | | 0.1 |
| <i>Euphorbia clementii</i> (P3) | 0.3 | 20 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.5 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Heliotropium chrysocarpum</i> | 0.3 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | 0.4 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.4 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.6 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.2 |
| <i>Ptilotus auriculifolius</i> | 0.2 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | 0.2 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Seringia nephrosperma</i> | 0.4 | 0.1 |
| <i>Sida</i> sp. L (A.M. Ashby 4202) | 0.3 | 0.3 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.2 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 5 |
| <i>Triodia scintillans</i> | 0.3 | 0.2 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WM039
 Site Type: QUADRAT
 Dimensions: 35m x 75m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312937.67E 7595653.47N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - D - Degraded
 Disturbance: Animal Disturbance - cattle, (other) - flooding
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Chrysopogon fallax*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon cunninghamii</i> | 0.4 | | 0.2 |
| <i>Acacia acradenia</i> | 0.4 | | 0.2 |
| <i>Acacia adsurgens</i> | 2 | | 0.6 |
| <i>Acacia ancistrocarpa</i> | 2 | | 3.5 |
| <i>Acacia arida</i> | 2 | | 1 |
| <i>Acacia bivenosa</i> | 0.6 | | 0.2 |
| <i>Acacia bivenosa x sclerosperma subsp. sclerosperma</i> | 0.5 | | 0.1 |
| <i>Acacia tumida var. pilbarensis</i> | 2.2 | | 4 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Anthobolus leptomerioides</i> | 1 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.5 | | 0.2 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.2 |
| <i>Chrysopogon fallax</i> | 0.6 | | 20 |
| <i>Corchorus sidoides subsp. sidoides</i> | 0.3 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 4.5 | | 4 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dampiera candidans</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Dodonaea coriacea</i> | 0.1 | 0.1 |
| <i>Duperreya commixta</i> | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1.6 | 0.5 |
| <i>Eriachne mucronata</i> | 0.5 | 1 |
| <i>Eulalia aurea</i> | 0.3 | 0.1 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.1 | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.6 | 0.4 |
| <i>Goodenia connata</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | 0.7 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3.5 | 1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.6 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 1.1 | 3 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.5 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | 0.3 | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.4 | 1.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 2 | 0.3 |
| <i>Senna notabilis</i> | 0.3 | 0.2 |
| <i>Senna symonii</i> | 0.6 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 8 |

PHOTO



Site Name: WM040
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312967.91E 7596385.35N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: WSW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolerite, Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - cattle, (other) - flooding
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus odontocarpa*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon cunninghamii</i> | 0.1 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 2.2 | | 6 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2 | | 4 |
| <i>Aristida inaequiglumis</i> | 0.4 | | 0.2 |
| <i>Bonamia erecta</i> | 0.4 | | 0.5 |
| <i>Chrysopogon fallax</i> | 0.6 | | 2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 3.5 | | 3 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 0.2 |
| <i>Dampiera candidans</i> | 0.1 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eucalyptus odontocarpa</i> | 4 | | 10 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Euphorbia boophthona</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 1 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.3 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.7 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 15 |
| <i>Triodia scintillans</i> | 0.4 | | 0.4 |

PHOTO



Site Name: WM041
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 312902.29E 7596281.38N
 Community: S1
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: E
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Ironstone, calcrete (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 1.5 | | 4 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | | 1.5 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.6 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | | 0.1 |
| <i>Trianthema glossostigmum</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 8 |
| <i>Triodia wiseana</i> | 0.4 | | 6 |

PHOTO



Site Name: WM042
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/05/2021
 GPS Location: GDA94 Zone 51 311884.75E 7612807.18N
 Community: HG8
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Loam
 Soil Colour: light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: <5

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| * <i>Aerva javanica</i> | 0.3 | | 0.8 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | | | 0.5 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.8 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.3 |
| <i>Corchorus tridens</i> | 0.1 | | 0.2 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.2 |
| <i>Eriachne aristidea</i> | 0.4 | | 0.3 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.2 |
| <i>Euphorbia trigonosperma</i> | 0.2 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.2 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hypertelis cerviana</i> | 0.1 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |

| | | | |
|------------------------------------|-----|--|-----|
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.4 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | | | 0.2 |
| <i>Ptilotus auriculifolius</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.4 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Swainsona decurrens</i> | 0.3 | | 0.2 |
| <i>Tephrosia supina</i> | 0.1 | | 0.2 |
| <i>Trianthema pilosum</i> | | | 0.2 |
| * <i>Tribulus terrestris</i> | | | 0.7 |
| <i>Triodia epactia</i> | 0.3 | | 8 |
| <i>Triodia wiseana</i> | 0.3 | | 2 |
| <i>Triraphis mollis</i> | 0.2 | | 0.1 |

PHOTO



Site Name: WM043
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 316542.71E 7617763.12N
 Community: HG12
 Landform Type: Ridge
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite, Sandstone (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: dolomite, sandstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.4 | | 0.4 |
| <i>Acacia bivenosa</i> | 2 | | 4 |
| * <i>Aerva javanica</i> | 0.5 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | 15 | 0.9 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.3 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1.2 | | 0.5 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.8 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.5 | | 2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Melhaniania oblongifolia</i> | 0.2 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.3 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | | 0.1 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.5 | | 0.2 |
| <i>Ptilotus obovatus</i> | 0.2 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.8 | | 0.6 |
| <i>Solanum gabrielae</i> | 0.4 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.5 | | 0.2 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 18 |

PHOTO



Site Name: WM044
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 316647.07E 7617532.32N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Steep (37 degrees)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: White Granite (other), 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.2 |
| <i>Cyperus cunninghamii</i> subsp. <i>cunninghamii</i> | 0.3 | | 0.1 |
| <i>Cyperus hesperius</i> | 0.3 | | 0.1 |
| <i>Dampiera candidans</i> | 0.3 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eriachne lanata</i> | 0.3 | | 0.5 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 8 | | 4.5 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.5 | | 0.5 |
| <i>Hibiscus coatesii</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |

| | | |
|---|-----|-----|
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | 0.9 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.4 | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.5 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Solanum gabriellae</i> | 0.4 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Stemodia grossa</i> | 0.3 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | 0.6 |
| <i>Triodia epactia</i> | 0.5 | 0.7 |
| <i>Triodia scintillans</i> | 0.4 | 6 |
| <i>Triodia wiseana</i> | 0.3 | 0.9 |
| <i>Triumfetta maconochieana</i> | 0.3 | 0.1 |

PHOTO



Site Name: WM045
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 317186.69E 7617160.95N
 Community: HG1
 Landform Type: Simple Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Granite, Quartz (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.8 | | 2.5 |
| <i>Acacia hilliana</i> | | | |
| <i>Acacia robeorum</i> | 2 | | 3 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 1.8 | | 0.2 |
| <i>Eriachne lanata</i> | 0.3 | | 0.6 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 4 | | 1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.2 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |
| <i>Senna sericea</i> | 0.6 | | 0.2 |
| <i>Senna symonii</i> | 0.5 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 0.9 |
| <i>Triodia wiseana</i> | 0.5 | | 25 |

PHOTO



Site Name: WM046
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 317269.25E 7614488.46N
 Community: W1
 Landform Type: FL-flowline (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolerite, calcrete, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Acacia monticola</i> | 2.3 | | 2.1 |
| <i>Acacia monticola x trachycarpa</i> | 2.2 | | 2 |
| <i>Acacia ptychophylla</i> | 0.4 | | 0.2 |
| * <i>Aerva javanica</i> | 0.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1 | | 0.2 |
| <i>Boerhavia coccinea</i> | | | 0.1 |
| <i>Bonamia pilbarensis</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.6 |
| * <i>Citrullus ?colocynthis</i> | 0.1 | | 0.1 |
| <i>Clerodendrum floribundum</i> | 2 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 1.8 | | 0.5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 3 |
| <i>Euphorbia biconvexa</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Gossypium australe</i> | 0.7 | 0.1 |
| <i>Gossypium robinsonii</i> | 1.5 | 0.4 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | 0.2 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.3 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.5 | 0.2 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | 0.1 |
| <i>Pluchea dentex</i> | 0.4 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.4 |
| <i>Portulaca oleracea</i> | 0.2 | 0.1 |
| <i>Ptilotus axillaris</i> | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.6 | 0.3 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | 0.3 |
| <i>Senna notabilis</i> | 0.2 | 0.1 |
| <i>Senna symonii</i> | 1.5 | 0.3 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.2 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.2 | 0.1 |
| <i>Swainsona formosa</i> | 0.2 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 2.5 |
| <i>Triodia longiceps</i> | 0.6 | 6 |
| <i>Triodia wiseana</i> | 0.3 | 0.3 |
| <i>Triumfetta chaetocarpa</i> | 0.2 | 0.1 |
| <i>Waltheria virgata</i> | 0.3 | 0.1 |

PHOTO



Site Name: WM047
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/05/2021
 GPS Location: GDA94 Zone 51 316590.18E 7613184.29N
 Community: HG11
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Granite, 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Granite, Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | | | |
| <i>Acacia ptychophylla</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Amaranthus cuspidifolius</i> | 0.1 | | 0.1 |
| <i>Amaranthus</i> sp. | 0.4 | | 0.2 |
| <i>Bonamia media</i> | 1.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.2 |
| <i>Dampiera candicans</i> | 0.4 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.2 | | 0.1 |
| <i>Eriachne benthamii</i> | 0.3 | | 0.4 |
| <i>Eriachne lanata</i> | 0.3 | | 0.2 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 1.8 | 0.3 |
| <i>Fimbristylis dichotoma</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.3 | 0.2 |
| <i>Nicotiana benthamiana</i> | 0.3 | 0.3 |
| <i>Paspalidium tabulatum</i> | 0.3 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Polycarpaea involucrata</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | 0.1 |
| <i>Senna symonii</i> | 0.3 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.2 | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.3 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | 0.2 |
| <i>Triodia epactia</i> | 0.4 | 0.7 |
| <i>Triodia longiceps</i> | 0.5 | 2 |
| <i>Triodia scintillans</i> | 0.3 | 30 |
| <i>Triodia wiseana</i> | 0.4 | 0.7 |
| <i>Triumfetta maconochieana</i> | 0.3 | 0.1 |

PHOTO



Site Name: WM048
 Site Type: QUADRAT
 Dimensions: 10m x 250m
 Survey Date: 27/05/2021
 GPS Location: GDA94 Zone 51 316551.32E 7613923.66N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Laterite, chert (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - cattle
 Fire: >10

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.2 |
| <i>Acacia monticola</i> | 2 | | 0.9 |
| <i>Acacia monticola x trachycarpa</i> | 3.5 | | 1.5 |
| <i>Acacia ptychophylla</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.5 | | 0.7 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Amaranthus undulatus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.6 | | 0.4 |
| <i>Bonamia pannosa</i> | 0.2 | | 1 |
| * <i>Cenchrus ciliaris</i> | 0.6 | | 2 |
| <i>Chrysopogon fallax</i> | 0.5 | | 0.1 |
| * <i>Citrullus amarus</i> | | | 0.3 |
| <i>Clerodendrum floribundum</i> | 2 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |

| | | |
|---|-----|-----|
| <i>Corymbia hamersleyana</i> | 4.5 | 2 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cullen stipulaceum</i> | 1.6 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | 0.5 |
| <i>Cynanchum floribundum</i> | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | 0.2 |
| <i>Euphorbia careyi</i> | 0.2 | 0.3 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | 0.2 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1.1 | 0.6 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | 0.1 |
| <i>Ipomoea muelleri</i> | 0.5 | 15 |
| <i>Isotropis atropurpurea</i> | 0.5 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.3 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.4 | 0.4 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | 0.4 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2 | 2 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | 0.1 |
| <i>Pluchea dentex</i> | 0.4 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | 0.3 |
| <i>Ptilotus axillaris</i> | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.1 |
| <i>Salsola australis</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | 0.1 |
| <i>Senna notabilis</i> | 0.6 | 0.2 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.3 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.4 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | 0.3 |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | 0.2 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.4 | 0.2 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 1 |
| <i>Triodia longiceps</i> | 0.6 | 0.7 |
| <i>Triodia wiseana</i> | 0.3 | 0.2 |

| | | |
|-------------------------------|-----|-----|
| <i>Triumfetta chaetocarpa</i> | 0.2 | 0.2 |
|-------------------------------|-----|-----|

PHOTO



Site Name: WW01
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/06/2020
 GPS Location: GDA94 Zone 51 314383E 7596258N
 Community: S1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: ESE
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Metamorphised Granite, Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - Track near quadrat location
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa, Acacia bivenosa*
 Lower Stratum 1: *Hibiscus sturtii* var. *campylochlamys*
 Lower Stratum 2: *Paraneurachne muelleri, Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 2.5 | | 1.1 |
| <i>Acacia ancistrocarpa</i> | 2.5 | | 2 |
| <i>Acacia arida</i> | 1.5 | | 1 |
| <i>Acacia bivenosa</i> | 1.6 | | 4 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.3 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.2 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 2 |
| <i>Paraneurachne muelleri</i> | 0.4 | 10 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.7 | 0.8 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 0.4 | 0.1 |
| <i>Sida echinocarpa</i> | 0.4 | 0.1 |
| <i>Solanum gabrielae</i> | | |
| <i>Solanum lasiophyllum</i> | 0.7 | 0.2 |
| <i>Streptoglossa decurrens</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus ?macrocarpus</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.5 | 5 |
| <i>Triodia wiseana</i> | 0.4 | 35 |

PHOTO



Site Name: WW02
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 08/06/2020
 GPS Location: GDA94 Zone 51 314143E 7596746N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: (other) - Vehicle tracks in vicinity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 0.4 |
| <i>Acacia ancistrocarpa</i> | 1.1 | | 0.2 |
| <i>Acacia arida</i> | 0.7 | | 0.3 |
| <i>Acacia bivenosa</i> | 0.1 | | 0.1 |
| <i>Acacia hilliana</i> | 0.2 | | 0.3 |
| <i>Acacia inaequilatera</i> | 2.5 | | 2 |
| <i>Anthobolus leptomerioides</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Dampiera candicans</i> | 0.4 | | 0.2 |
| <i>Eriachne lanata</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>?Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 0.8 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 45 |

PHOTO



Site Name: WW03
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 313913E 7596382N
 Community: S1
 Landform Type: Other, Flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Metamorphised Granite, Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs
 Comments: Minor flowline

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*
 Mid Stratum 2: *Acacia arida*, *Acacia bivenosa*
 Lower Stratum 1: *Corchorus sidoides* subsp. *sidoides*, *Goodenia stobbsiana*, *Hibiscus sturtii* var. *campylochlamys*
 Lower Stratum 2: *Paraneurachne muelleri*, *Triodia epactia*, *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 3.4 | | 4 |
| <i>Acacia arida</i> | 1.4 | | 35 |
| <i>Acacia bivenosa</i> | 1.6 | | 3.2 |
| <i>Anthobolus leptomerioides</i> | 1.2 | | 1 |
| <i>Aristida inaequiglumis</i> | 0.64 | | 0.3 |
| <i>Cassytha capillaris</i> | | | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 1.2 | | 0.3 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.5 | | 4 |
| <i>Corymbia hamersleyana</i> | 6 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.7 | | 1 |
| <i>Duperreya commixta</i> | | | 0.1 |

| | | |
|--|------|-----|
| <i>Eremophila latrobei</i> subsp. <i>glabra</i> | 0.95 | 0.2 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 2 | 0.3 |
| <i>Goodenia microptera</i> | 0.5 | 0.3 |
| <i>Goodenia stobbsiana</i> | 0.3 | 2 |
| <i>Grevillea berryana</i> | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.5 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.35 | 3.7 |
| <i>Paraneurachne muelleri</i> | 0.6 | 25 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Pluchea dentex</i> | 0.3 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 1.6 | 1.1 |
| <i>Solanum gabrielae</i> | 0.2 | 0.3 |
| <i>Stemodia grossa</i> | 0.5 | 0.2 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | 0.1 |
| <i>Tribulus ?macrocarpus</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.2 | 0.4 |
| <i>Triodia epactia</i> | 0.55 | 25 |
| <i>Triodia scintillans</i> | 0.3 | 4 |
| <i>Triodia wiseana</i> | 0.4 | 15 |

PHOTO



Site Name: WW04
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314535E 7596795N
 Community: S1
 Landform Type: Lower Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Quartz, Laterised Ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: (other) - Tracks in vicinity
 Fire: >5yrs
 Comments: Natural disturbance by recent floods. Off low hill

DOMINANT TAXA IN VEGETATION STRATA

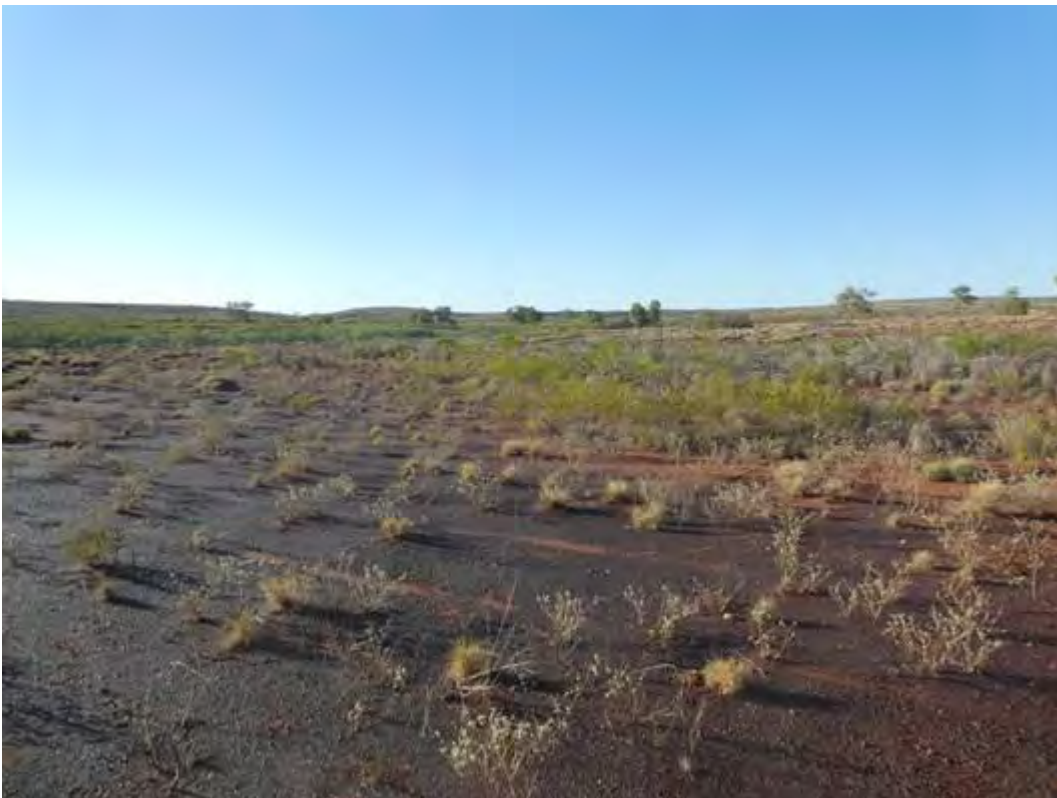
Mid Stratum 1: *Acacia ancistrocarpa*
 Lower Stratum 1: *Acacia adoxa* var. *adoxo*, *Amphipogon sericeus*, *Dicrasyllis cordifolia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 0.4 | | 0.5 |
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 2 |
| <i>Acacia ancistrocarpa</i> | 1.2 | | 20 |
| <i>Acacia arida</i> | 0.3 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.1 |
| <i>Amphipogon sericeus</i> | 0.3 | | 3 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.5 | | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Dampiera candicans</i> | 0.4 | | 0.5 |

| | | | |
|---|-----|--|-----|
| <i>Dicrastylis cordifolia</i> | 0.4 | | 15 |
| <i>Dodonaea coriacea</i> | 0.3 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.6 | | 0.3 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.5 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida cardiophylla</i> | 0.4 | | 0.2 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.6 | | 0.2 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.2 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.3 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.1 |
| <i>Triodia basedowii</i> | 0.2 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 15 |

PHOTO



Site Name: WW05
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314037.05E 7596047.55N
 Community: S1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Metamorphised Granite, Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

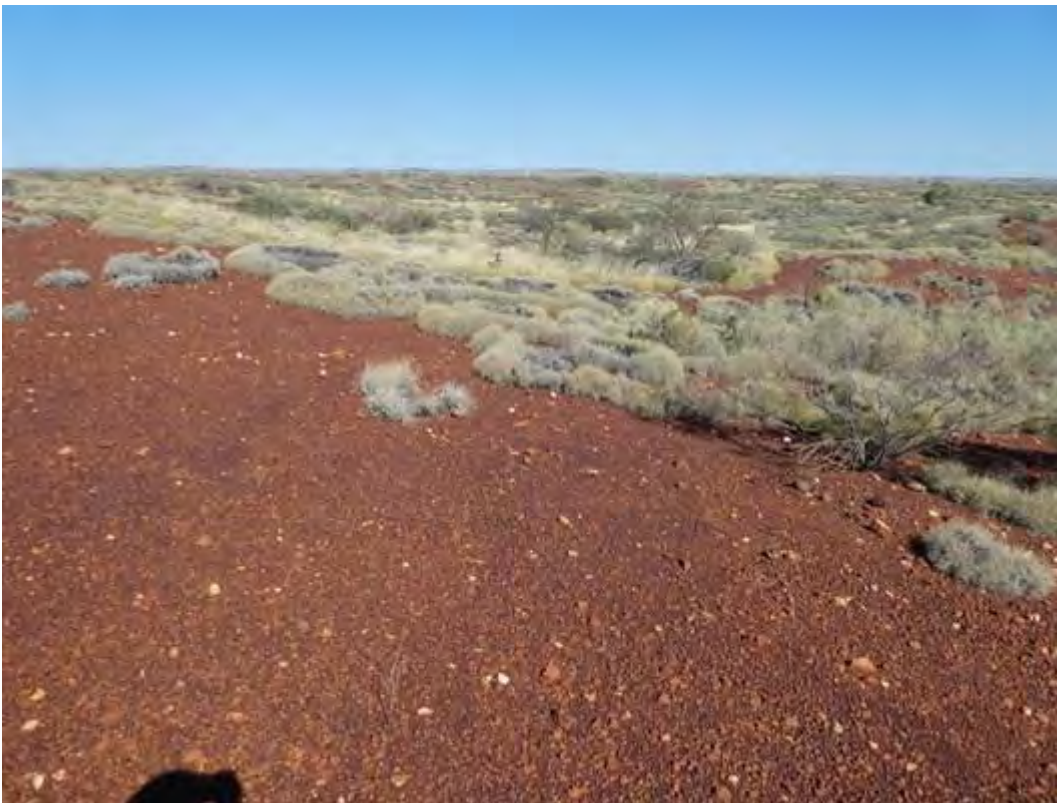
Mid Stratum 1: *Acacia arida, Acacia bivenosa*
 Lower Stratum 1: *Triodia epactia, Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 2.2 | | 0.2 |
| <i>Acacia arida</i> | 1.7 | | 8.5 |
| <i>Acacia bivenosa</i> | 1.4 | | 4.1 |
| <i>Anthobolus leptomerioides</i> | 1.3 | | 0.3 |
| <i>Calytrix carinata</i> | 0.7 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Cynanchum floribundum</i> | 0.2 | | 0.1 |
| <i>Duperreya commixta</i> | | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1.4 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.4 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.8 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.3 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.6 | | 0.2 |
| <i>Senna symonii</i> | 0.5 | | 0.2 |
| <i>Solanum gabrielae</i> | 0.4 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | | 0.2 |
| <i>Tribulus suberosus</i> | 0.7 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 5 |
| <i>Triodia scintillans</i> | 0.4 | | 15 |
| <i>Triodia wiseana</i> | 0.5 | | 10 |

PHOTO



Site Name: WW06
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314597.59E 7596703.31N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia ancistrocarpa*
 Lower Stratum 1: *Acacia bivenosa*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 0.9 | | 0.2 |
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.1 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.3 | | 2 |
| <i>Acacia ancistrocarpa</i> x <i>arida</i> | 1.1 | | 0.2 |
| <i>Acacia arida</i> | 0.4 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 2 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 0.6 | | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.9 | | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 5 | | 2.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |

| | | |
|---|-----|-----|
| <i>Dicrastylis cordifolia</i> | 0.5 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | 0.2 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.1 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.4 | 0.3 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | 0.2 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.3 |
| <i>Paraneurachne muelleri</i> | 0.1 | 0.2 |
| <i>Ptilotus astrolasius</i> | 0.2 | 0.1 |
| <i>Ptilotus ?carinatus</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.6 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Seringia nephrosperma</i> | 0.7 | 0.3 |
| <i>Solanum horridum</i> | 0.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 2.3 |
| <i>Triodia wiseana</i> | 0.4 | 0.5 |

PHOTO



Site Name: WW07
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314538.46E 7596091.24N
 Community: S1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: ESE
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm
 CF Types: Metamorphised Granite, Calcrete, Laterised Ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Track cuts through quadrat (other)
 Fire: >10 yrs

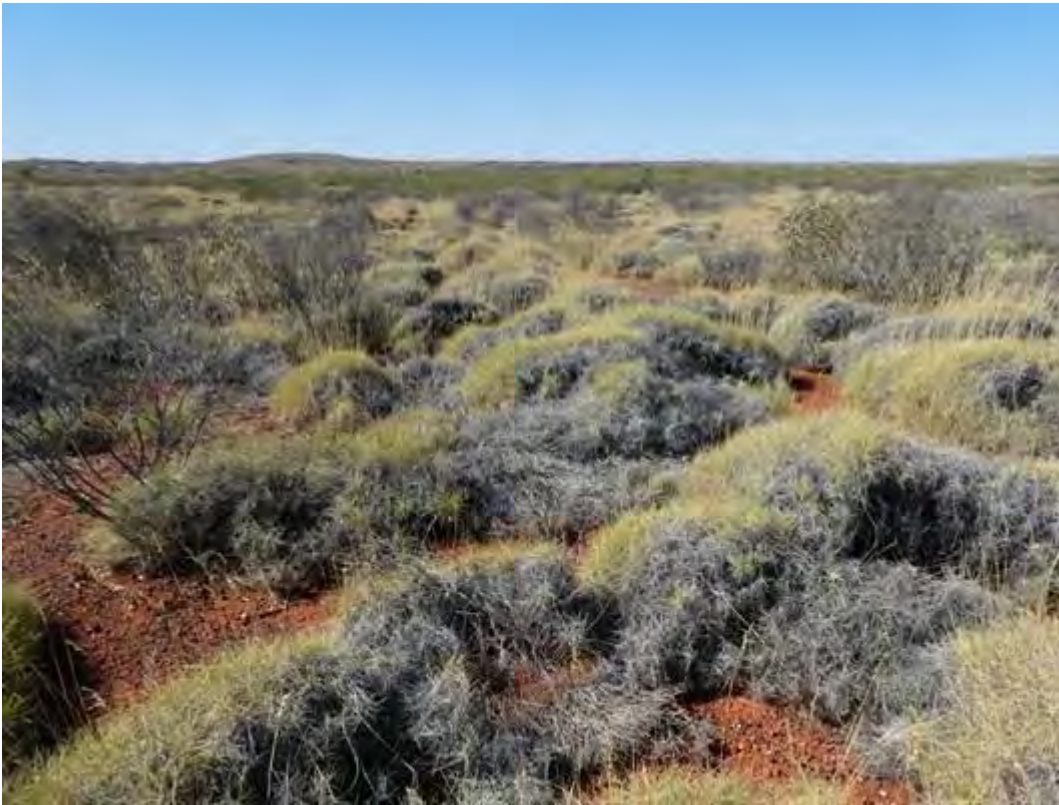
DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.4 | | 2.5 |
| <i>Acacia pruinocarpa</i> | 1.6 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 1.5 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.6 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.8 | | 40 |

PHOTO



Site Name: WW08
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314433.17E 7596561.1N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Track runs through NW end (other)
 Fire: >5yrs
 Comments: Minor drainage line on undulating plain

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa, Acacia arida*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2 | | 30 |
| <i>Acacia arida</i> | 1.6 | | 15 |
| <i>Acacia bivenosa</i> | 1 | | 2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.9 | | 0.8 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.2 |
| <i>Dodonaea coriacea</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | | |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.2 |

| | | | |
|--|-----|--|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.8 |
| <i>Ptilotus ?carinatus</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.5 |
| <i>Seringia nephrosperma</i> | 0.5 | | 0.3 |
| <i>Solanum diversiflorum</i> | 0.1 | | 0.1 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 2 |
| <i>Triodia wiseana</i> | 0.4 | | 0.5 |

PHOTO



Site Name: WW09
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314966.43E 7595614.94N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 60-200mm, 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphised Granite, Calcrete, Laterised Ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Track near quadrat (other)
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia ancistrocarpa*, *Acacia arida*, *Acacia bivenosa*
 Lower Stratum 1: *Anthobolus leptomerioides*, *Hibiscus sturtii* var. *campylochlamys*
 Lower Stratum 2: *Paraneurachne muelleri*, *Triodia epactia*, *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 3 | | 20 |
| <i>Acacia arida</i> | 2.3 | | 15 |
| <i>Acacia bivenosa</i> | 2.2 | | 10 |
| <i>Anthobolus leptomerioides</i> | 0.5 | | 6 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.4 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.6 | | 0.2 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.4 |
| <i>Corymbia hamersleyana</i> | 4.5 | | 4 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3.5 | 1.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.6 | 0.6 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | 0.1 |
| <i>Hibiscus brachychlaenus</i> | 0.8 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.5 | 2.3 |
| <i>Paraneurachne muelleri</i> | 0.3 | 20 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 2.5 | 0.5 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Solanum gabrielae</i> | 0.3 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.8 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.2 |
| <i>Stackhousia</i> sp. | 0.3 | 0.1 |
| <i>Stemodia grossa</i> | 1.3 | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 20 |
| <i>Triodia scintillans</i> | 0.3 | 5 |
| <i>Triodia wiseana</i> | 0.5 | 10 |
| <i>Waltheria virgata</i> | 0.4 | 0.1 |

PHOTO



Site Name: WW10
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314943.4E 7596335.23N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm, 600-2000mm
 CF Types: Riverstones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs
 Comments: Creek becomes wider and shallower at SE end

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*, *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia ancistrocarpa*, *Acacia tumida* var. *pilbarensis*, *Gossypium robinsonii*,
Grevillea wickhamii subsp. *hispidula*
 Lower Stratum 1: *Triumfetta johnstonii*
 Lower Stratum 2: *Eriachne mucronata*, *Themeda triandra*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2.3 | | 4.5 |
| <i>Acacia arida</i> | 1.5 | | 0.6 |
| <i>Acacia bivenosa</i> | 1.7 | | 0.2 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 3 | | 35 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 1.5 |
| <i>Anthobolus leptomerioides</i> | 0.3 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 1 | | 1 |
| <i>Atalaya hemiglauca</i> | 1.3 | | 0.2 |
| <i>Bonamia erecta</i> | 0.4 | | 0.8 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 6 | 2 |
| <i>Corymbia hamersleyana</i> | 7 | 3 |
| <i>Dampiera candidans</i> | 0.1 | 0.1 |
| <i>Dicrastylis cordifolia</i> | 0.3 | 0.1 |
| <i>Dodonaea coriacea</i> | 0.4 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 2 |
| <i>Eulalia aurea</i> | 0.4 | 0.5 |
| <i>Goodenia stobbsiana</i> | 0.2 | 0.2 |
| <i>Gossypium robinsonii</i> | 4 | 3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 2.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | 0.3 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.1 |
| <i>Isotropis atropurpurea</i> | 0.4 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.1 | 0.5 |
| <i>Petalostylis labicheoides</i> | 0.9 | 1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.9 | 0.2 |
| <i>Senna symonii</i> | 0.6 | 0.1 |
| <i>Seringia exastia</i> (T) | 0.5 | 0.8 |
| <i>Solanum gabrielae</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Stemodia grossa</i> | 0.3 | 0.1 |
| <i>Themeda triandra</i> | 0.4 | 2 |
| <i>Triodia epactia</i> | 0.5 | 28 |
| <i>Triodia scintillans</i> | 0.3 | 0.1 |
| <i>Triumfetta johnstonii</i> | 1 | 2 |

PHOTO



Site Name: WW11
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 09/06/2020
 GPS Location: GDA94 Zone 51 314697.25E 7595692.44N
 Community: S1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Track near quadrat (other)
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia adsurgens, Acacia ancistrocarpa, Acacia arida*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adsurgens</i> | 3 | | 7 |
| <i>Acacia ancistrocarpa</i> | 3 | | 3 |
| <i>Acacia arida</i> | 2 | | 2 |
| <i>Acacia bivenosa</i> | 2.5 | | 1 |
| <i>Anthobolus leptomerioides</i> | 1 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.4 | | 0.4 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 0.1 |
| <i>Duperreya commixta</i> | | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 2 | | 0.2 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.3 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 1.5 |
| <i>Paspalidium rarum</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Ptilotus calostachyus</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 2.3 | | 0.8 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.6 | | 0.2 |
| <i>Solanum gabrielae</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 20 |
| <i>Triodia wiseana</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WW12
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314388.23E 7597804.93N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SSW
 Soil Type: Sandy Clay
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: <5yrs
 Comments: Fairly recent fire

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.2 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 0.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.3 |
| <i>Acacia hilliana</i> | 0.2 | | 0.1 |
| <i>Acacia inaequilatera</i> | 1.8 | | 0.2 |
| <i>Acacia maitlandii</i> | 0.3 | | 0.1 |
| <i>Acacia robeorum</i> | 1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.4 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.6 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.6 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 45 |

PHOTO



Site Name: WW13
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314580.67E 7597896.08N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphised Granite (other), 10-20% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite and laterised ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Acacia maitlandii*
 Lower Stratum 2: *Triodia basedowii*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.3 | | 0.1 |
| <i>Acacia maitlandii</i> | 0.6 | | 10 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 1.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Clerodendrum tomentosum</i> | 0.7 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.3 |
| <i>Fimbristylis simulans</i> | 0.1 | | 1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.5 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 1.5 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.6 | | 2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.7 | | 0.2 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Tribulus suberosus</i> | 0.8 | | 0.1 |
| <i>Triodia basedowii</i> | 0.3 | | 35 |
| <i>Triodia epactia</i> | | | 0.3 |
| <i>Triumfetta maconochieana</i> | 0.6 | | 0.1 |

PHOTO



Site Name: WW14
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314505.58E 7597669.97N
 Community: HG11
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: WSW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Riverstones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Fire: ~5 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* subsp. *hispidula*
 Mid Stratum 2: *Petalostylis labicheoides*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.4 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 0.3 | | 0.1 |
| <i>Acacia arida</i> | 0.4 | | 0.4 |
| <i>Acacia bivenosa</i> | 0.3 | | 0.1 |
| <i>Acacia hilliana</i> | 0.2 | | 0.1 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.1 |
| <i>Acacia maitlandii</i> | 0.6 | | 0.5 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.5 | | 40 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 3.5 | | 0.2 |
| <i>Cymbopogon ambiguus</i> | | | 0.1 |
| <i>Eriachne lanata</i> | 0.3 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Goodenia ?triodiophila</i> | 0.2 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 5 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.2 |
| <i>Isotropis atropurpurea</i> | 0.3 | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.7 | 5 |
| <i>Ptilotus auriculifolius</i> | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | 0.2 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.4 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 5 |
| <i>Triodia scintillans</i> | 0.2 | 1 |

PHOTO



Site Name: WW15
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314865.44E 7597690.97N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Quartz, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Tracks around quadrat (other)
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*
 Lower Stratum 1: *Acacia hilliana*
 Lower Stratum 2: *Triodia basedowii*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2.2 | | 4 |
| <i>Acacia hilliana</i> | 0.5 | | 5 |
| <i>Acacia maitlandii</i> | 1.7 | | 0.1 |
| <i>Calytrix carinata</i> | 0.8 | | 0.6 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.4 |
| <i>Ptilotus calostachyus</i> | 0.2 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |
| <i>Senna symonii</i> | 1.2 | | 0.2 |
| <i>Triodia basedowii</i> | 0.4 | | 43 |

PHOTO



Site Name: WW16
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314373.85E 7597375.99N
 Community: HG11
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Quartz, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Tracks in the vicinity of quadrat (other)
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.7 | | 0.1 |
| <i>Acacia arida</i> | 0.4 | | 0.2 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Acacia hilliana</i> | 0.3 | | 0.1 |
| <i>Acacia robeorum</i> | 1.9 | | 0.3 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.2 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 35 |

PHOTO



Site Name: WW17
 Site Type: QUADRAT
 Dimensions: 10m x 250m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314830.71E 7597570.86N
 Community: HG11
 Landform Type: Drainage Line
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphised Granite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*
 Mid Stratum 1: *Acacia maitlandii*, *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Eriachne mucronata*, *Triodia basedowii*, *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxa</i> | 0.4 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 2.5 | | 0.3 |
| <i>Acacia hilliana</i> | 0.6 | | 0.2 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.6 |
| <i>Acacia maitlandii</i> | 1.5 | | 45 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 1.8 | | 20 |
| <i>Afrohybanthus aurantiacus</i> | 0.6 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 4.5 | | 0.3 |
| <i>Clerodendrum tomentosum</i> | 0.6 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.4 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 12 | | 4 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.4 |
| <i>Dampiera candicans</i> | 0.5 | | 1 |

| | | |
|---|------|-----|
| <i>Dolichocarpa crouchiana</i> | 0.2 | 0.1 |
| <i>Duperreya commixta</i> | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.24 | 0.2 |
| <i>Eriachne mucronata</i> | 0.2 | 5 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.3 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.1 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.7 | 3 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.5 | 0.7 |
| <i>Indigofera monophylla</i> | 0.1 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.4 | 1 |
| <i>Paspalidium clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Schizachyrium fragile</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | 0.6 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.7 | 0.1 |
| <i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925) | 0.2 | 0.2 |
| <i>Solanum gabrielae</i> | 0.2 | 0.3 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | 0.2 |
| <i>Triodia basedowii</i> | 0.3 | 30 |
| <i>Triodia epactia</i> | 0.2 | 5 |
| <i>Triodia wiseana</i> | 0.4 | 7 |
| <i>Triumfetta maconochieana</i> | 0.2 | 0.1 |

PHOTO



Site Name: WW18
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314874.15E 7596812.04N
 Community: HG11
 Landform Type: Other, Low rise on undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Quartz, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Track near quadrat (other)
 Fire: >5yrs
 Comments: Small pockets of heavy clay within quadrat which may be habitat for annuals earlier in the year

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 1.3 | | 1.2 |
| <i>Calytrix carinata</i> | 0.1 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.4 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.6 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 41 |

PHOTO



Site Name: WW19
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314638.76E 7597035.11N
 Community: S1
 Landform Type: Other, Sheet flow (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Senna glutinosa* subsp. *x luerssenii*
 Lower Stratum 1: *Acacia bivenosa*
 Lower Stratum 2: *Triodia basedowii*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 0.6 | | 0.3 |
| <i>Acacia arida</i> | 0.4 | | 0.3 |
| <i>Acacia bivenosa</i> | 0.4 | | 8 |
| <i>Acacia robeorum</i> | 0.2 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 1 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 0.6 | | 0.1 |
| <i>Dampiera candidans</i> | 0.2 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.3 | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia stobbsiana</i> | 0.1 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.3 | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.2 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.4 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.5 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.4 | 2 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 1.6 | 0.4 |
| <i>Tribulus suberosus</i> | 0.4 | 0.1 |
| <i>Triodia basedowii</i> | 0.2 | 15 |
| <i>Triodia epactia</i> | 0.3 | 1 |
| <i>Triodia wiseana</i> | 0.5 | 0.2 |

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Site Name: WW20
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 10/06/2020
 GPS Location: GDA94 Zone 51 314759.14E 7596646.71N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*, *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia ancistrocarpa*, *Acacia tumida* var. *pilbarensis*
 Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.4 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 2 | | 10 |
| <i>Acacia ancistrocarpa</i> x <i>arida</i> | 2.3 | | 0.6 |
| <i>Acacia bivenosa</i> | 0.7 | | 0.2 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.5 | | 35 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.8 |
| <i>Amphipogon sericeus</i> | 0.2 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.5 | | 0.3 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Bonamia erecta</i> | 0.5 | | 1 |
| <i>Calytrix carinata</i> | 0.3 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| <i>Clerodendrum tomentosum</i> | 1.5 | | 0.2 |

| | | |
|---|-----|-----|
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | 0.2 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 7 | 3 |
| <i>Corymbia hamersleyana</i> | 7 | 2 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Dampiera candicans</i> | 0.1 | 0.1 |
| <i>Dicrastylis cordifolia</i> | 0.2 | 0.1 |
| <i>Dodonaea coriacea</i> | 0.6 | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.1 | 0.3 |
| <i>Goodenia connata</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.2 | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.7 |
| <i>Indigofera monophylla</i> | 0.6 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.2 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.4 | 0.1 |
| <i>Solanum gabrielae</i> | 0.5 | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.2 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.2 | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 15 |
| <i>Triodia scintillans</i> | 0.2 | 0.1 |

PHOTO



Site Name: WW21
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 11/06/2020
 GPS Location: GDA94 Zone 51 314439.33E 7615840.68N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Sandy Clay
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Riverstones (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Atalaya hemiglauca*
 Mid Stratum 1: *Acacia arida*, *Acacia coriacea* subsp. *pendens*, *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Tephrosia rosea* var. *clementii*
 Lower Stratum 2: **Cenchrus ciliaris*, *Eriachne tenuiculmis*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.6 | | 10 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2.5 | | 2 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.6 | | 0.4 |
| * <i>Aerva javanica</i> | 0.3 | 2 | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.2 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.3 |
| <i>Atalaya hemiglauca</i> | 3 | | 5 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.4 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Cajanus cinereus</i> | 0.6 | | 1 |

| | | | |
|---|-----|------|------|
| <i>Carissa lanceolata</i> | 2.5 | | 1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | 6000 | 45.5 |
| <i>Chrysopogon fallax</i> | 0.3 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 3.5 | | 0.8 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.4 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Ehretia saligna</i> var. <i>saligna</i> | 1 | | 0 |
| <i>Enneapogon lindleyanus</i> | 0.3 | | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.3 | | 6 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.2 |
| <i>Gossypium australe</i> | 1.2 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.6 | | 3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.3 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.2 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | | 0.1 |
| <i>Isotropis atropurpurea</i> | 0.2 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.2 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | 0.5 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.1 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.2 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna symonii</i> | 1.4 | | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.6 | | 0.1 |
| <i>Stemodia grossa</i> | 0.2 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 1 | | 4 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia basedowii</i> | 0.3 | | 0.3 |
| <i>Triodia epactia</i> | 0.5 | | 4.3 |
| <i>Triumfetta propinqua</i> | 0.1 | | 0.2 |

PHOTO



Site Name: WW22
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 11/06/2020
 GPS Location: GDA94 Zone 51 315114.58E 7615920.68N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: WSW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), <2% bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Metamorphised Granite, Riverstones (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Grazing, Exotic Weeds
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*
 Mid Stratum 1: *Acacia pyrifolia* var. *morrisonii*, *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Acacia arida*, **Aerva javanica*
 Lower Stratum 2: **Cenchrus ciliaris*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.9 | | 3.2 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 2 | | 2 |
| * <i>Aerva javanica</i> | 0.5 | | 5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.9 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Cajanus cinereus</i> | 0.7 | | 0.2 |
| <i>Carissa lanceolata</i> | 1.9 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.5 | | 50 |
| * <i>Citrullus amarus</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 5.5 | | 2 |
| <i>Corymbia hamersleyana</i> | 2.3 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Gossypium australe</i> | 2 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 4 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Isotropis atropurpurea</i> | 0.4 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.3 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.2 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.2 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.7 | | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.1 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Stemodia grossa</i> | 0.4 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | | 0.1 |
| <i>Tinospora smilacina</i> | | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 5 |
| <i>Triodia scintillans</i> | 0.3 | | 0.2 |

PHOTO



Site Name: WW23
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 11/06/2020
 GPS Location: GDA94 Zone 51 314441.69E 7615545.05N
 Community: HG7
 Landform Type: Other, Flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Sandy Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*, *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Indigofera monophylla*
 Lower Stratum 2: *Eragrostis eriopoda*, *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.6 | | 2.5 |
| <i>Acacia arida</i> | 0.4 | | 0.1 |
| <i>Acacia hilliana</i> | 0.6 | | 0.2 |
| <i>Acacia inaequilatera</i> | 2.2 | | 0.3 |
| <i>Acacia robeorum</i> | 0.4 | | 0.2 |
| * <i>Aerva javanica</i> | 0.2 | 10 | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 6 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.4 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.7 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 1.6 | | 0.3 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 2 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 3 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.6 | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | 1.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.5 | 0.3 |
| <i>Indigofera monophylla</i> | 0.8 | 4 |
| <i>Paraneurachne muelleri</i> | 0.3 | 1.5 |
| <i>Polymeria mollis</i> | 0.1 | 0.6 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.2 |
| <i>Sida echinocarpa</i> | 1 | 0.1 |
| <i>Solanum phlomoides</i> | 0.6 | 0.1 |
| <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 35 |
| <i>Triodia wiseana</i> | 0.3 | 2 |

PHOTO



Site Name: WW24
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/06/2020
 GPS Location: GDA94 Zone 51 314584.76E 7615922.86N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs
 Comments: Quadrat includes top of small rocky hill

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.3 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.2 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.3 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | | | |
| <i>Cyperus hesperius</i> | | | |
| <i>Dampiera candicans</i> | 0.4 | | 0.2 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.7 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 2 |
| <i>Ptilotus calostachyus</i> | 0.2 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Tribulus suberosus</i> | 0.3 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 5 |
| <i>Triodia scintillans</i> | 0.4 | 10 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.1 |

PHOTO



Site Name: WW25
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/06/2020
 GPS Location: GDA94 Zone 51 314462.6E 7615249.19N
 Community: HG2
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: WSW
 Soil Type: Light Clay
 Soil Colour: Orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Senna artemisioides* subsp. *helmsii*, *Senna artemisioides* subsp. *oligophylla*
 Lower Stratum 2: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | | | 0.5 |
| * <i>Aerva javanica</i> | 0.4 | 2 | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | 1 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 1 | | 0.4 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.8 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.2 |

| | | |
|--|-----|------|
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.3 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | 2.5 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 3 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.1 |
| <i>Sida echinocarpa</i> | 1.1 | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | 0.1 |
| <i>Solanum phlomoides</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.2 | 25.5 |
| <i>Triodia wiseana</i> | 0.2 | 5 |

PHOTO



Site Name: WW26
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/06/2020
 GPS Location: GDA94 Zone 51 314875.38E 7615504.3N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds, Possible old rock fall in SE corner (other)
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.3 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.6 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.2 |
| <i>Dampiera candicans</i> | 0.4 | | 0.5 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 2 |
| <i>Fimbristylis dichotoma</i> | 0.3 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.5 |

| | | |
|--|-----|-----|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | 2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.3 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.2 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.6 | 0.1 |
| <i>Solanum gabriellae</i> | 0.2 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 25 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.1 |

PHOTO



Site Name: WW27
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 11/06/2020
 GPS Location: GDA94 Zone 51 314926.46E 7615286.29N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Steep (23 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Quartz, 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Quartz (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10 yrs
 Comments: One third of quadrat burnt <5yrs ago. Minor drainage line through quadrat

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*, *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Eriachne mucronata*, *Triodia scintillans*
 Lower Stratum 2: *Triodia basedowii*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.3 | | 0.8 |
| <i>Acacia inaequilatera</i> | 2 | | 2.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.3 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Clerodendrum tomentosum</i> | 1.2 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.7 | | 1 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.2 |
| <i>Cynanchum floribundum</i> | | | 0.1 |

| | | |
|---|-----|-----|
| <i>Dampiera candicans</i> | 0.3 | 0.5 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.2 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | 0.1 |
| <i>Eriachne mucronata</i> | 0.2 | 2 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 8 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.3 |
| <i>Indigofera monophylla</i> | 0.6 | 0.1 |
| <i>Isotropis atropurpurea</i> | 0.1 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.3 |
| <i>Ptilotus calostachyus</i> | 0.3 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.7 | 0.5 |
| <i>Sida fibulifera</i> | 0.1 | 0.1 |
| <i>Solanum gabrielae</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia basedowii</i> | 0.2 | 3 |
| <i>Triodia epactia</i> | 0.5 | 5 |
| <i>Triodia scintillans</i> | 0.2 | 15 |
| <i>Triumfetta maconochieana</i> | 0.5 | 0.7 |
| <i>Triumfetta propinqua</i> | 0.7 | 0.2 |

PHOTO



Site Name: WW28
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 315189.19E 7596608.49N
 Community: HG11
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SSW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Tracks in vicinity of quadrat (other)
 Fire: >5yrs

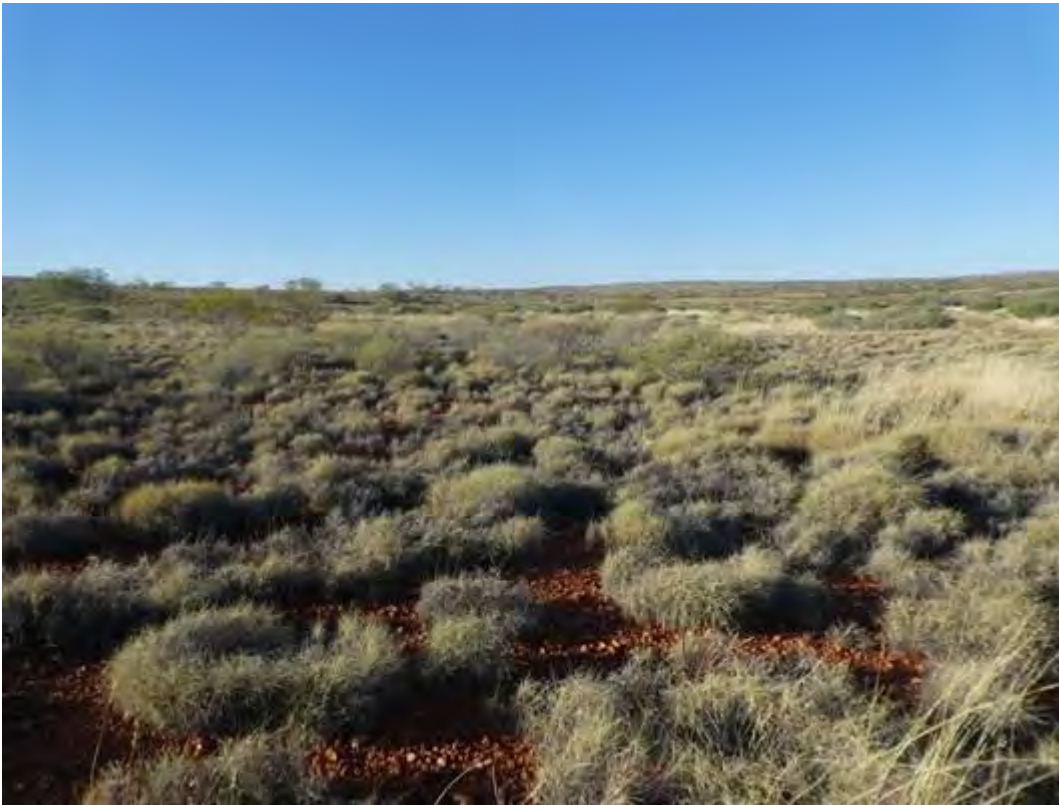
DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.5 | | 0.2 |
| <i>Acacia ancistrocarpa</i> | 1.5 | | 0.4 |
| <i>Acacia ancistrocarpa</i> x <i>arida</i> | 1.3 | | 0.1 |
| <i>Acacia arida</i> | 1.5 | | 2 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.3 | | 0.2 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gompholobium polyzygum</i> | 1.2 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 45 |

PHOTO



Site Name: WW29
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 315498.83E 7597034.19N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: ENE
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Sedimentary (other), <2% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Mid Stratum 2: *Acacia arida*, *Eremophila exilifolia*
 Lower Stratum 1: *Triodia basedowii*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.8 | | 1 |
| <i>Acacia arida</i> | 1 | | 2 |
| <i>Acacia hilliana</i> | 0.6 | | 1.5 |
| <i>Acacia inaequilatera</i> | 2.2 | | 0.8 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.4 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.5 |
| <i>Eremophila exilifolia</i> | 1.3 | | 3.5 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.4 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.6 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |
| <i>Goodenia triodiophila</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 4.5 | | 3 |

| | | | |
|---|-----|--|-----|
| <i>Heliotropium glabellum</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.2 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.2 | | 0.5 |
| <i>Schizachyrium fragile</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.4 | | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.3 |
| <i>Triodia basedowii</i> | 0.3 | | 15 |
| <i>Triodia epactia</i> | 0.3 | | 0.5 |

PHOTO



Site Name: WW30
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 314941.72E 7596436.1N
 Community: HG11
 Landform Type: Other, Low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 4 |
| <i>Acacia hilliana</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.2 |
| <i>Calytrix carinata</i> | 0.4 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.2 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.4 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 1 |
| <i>Triodia scintillans</i> | 0.4 | | 35.2 |

PHOTO



Site Name: WW31
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 315296.24E 7596773.51N
 Community: HG11
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Metamorphised Granite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Acacia adoxa* var. *adoxo*, *Acacia hilliana*
 Lower Stratum 2: *Triodia basedowii*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.3 | | 3 |
| <i>Acacia hilliana</i> | 0.3 | | 17 |
| <i>Acacia inaequilatera</i> | 1.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 1 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.3 | | 0.1 |
| <i>Calytrix carinata</i> | 0.7 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.3 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3 | | 0.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.4 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.5 | | 0.2 |
| <i>Triodia basedowii</i> | 0.3 | | 40 |

PHOTO



Site Name: WW32
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 314643.8E 7615752.34N
 Community: W1
 Landform Type: Other, Low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SSW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Tracks in vicinity of quadrat (other)
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.9 | | 0.3 |
| <i>Acacia bivenosa</i> | 1.7 | | 2 |
| <i>Acacia inaequilatera</i> | 2.4 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Amphipogon sericeus</i> | 0.2 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 2 | | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.3 | | 1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.2 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.7 | | 0.3 |
| <i>Solanum gabriellae</i> | 0.4 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 40 |
| <i>Triodia wiseana</i> | 0.4 | | 2 |

PHOTO



Site Name: WW33
 Site Type: QUADRAT
 Dimensions: 80m x 31.25m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 315118.33E 7595944.25N
 Community: S1
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - Track through quadrat
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia basedowii*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|------------------------------|-------------|-------------|-------------|
| <i>Goodenia stobbsiana</i> | 0.7 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.8 | | 0.1 |
| <i>Triodia basedowii</i> | 0.4 | | 25 |

PHOTO



Site Name: WW34
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 314194.32E 7597215.44N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Sandy Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Flood - Minor signs of flooding, Track through quadrat (other)
 Fire: <5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia tumida* var. *pilbarensis*
 Lower Stratum 1: *Acacia arida*, *Bonamia erecta*, *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1 | | 0.5 |
| <i>Acacia arida</i> | 0.5 | | 3 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.5 | | 10 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Bonamia erecta</i> | 0.5 | | 5 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 3.5 | | 0.2 |
| <i>Dicrastylis cordifolia</i> | 0.3 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.3 | | 0.2 |
| <i>Eriachne aristidea</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.9 | | 0.9 |

| | | | |
|---|-----|--|-----|
| <i>Goodenia connata</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.4 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.1 |
| <i>Ptilotus ?clementii</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.5 | | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.1 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 4 |
| <i>Triodia scintillans</i> | 0.4 | | 3 |

PHOTO



Site Name: WW35
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 314159.7E 7596926.46N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NNW
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Quartz (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*, *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Acacia adoxa* var. *adoxo*, *Acacia hilliana*
 Lower Stratum 2: *Triodia basedowii*, *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.2 | | 10 |
| <i>Acacia hilliana</i> | 0.3 | | 15 |
| <i>Acacia inaequilatera</i> | 3 | | 2 |
| <i>Calytrix carinata</i> | 1.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.2 |
| <i>Dampiera candicans</i> | 0.1 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 0.1 | | 0.6 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.3 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |

| | | |
|---|-----|-----|
| <i>Goodenia stobbsiana</i> | 0.1 | 0.1 |
| <i>Goodenia triodiophila</i> | 0.3 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3 | 3 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | 0.2 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | 1.6 |
| <i>Schizachyrium fragile</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.8 | 0.2 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | | |
| <i>Triodia basedowii</i> | 0.2 | 15 |
| <i>Triodia epactia</i> | 0.3 | 5 |
| <i>Triodia scintillans</i> | 0.2 | 10 |

PHOTO



Site Name: WW36
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 314297.25E 7594561.49N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*, *Acacia tumida* var. *pilbarensis*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.2 | | 0.1 |
| <i>Abutilon</i> ?sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Acacia acradenia</i> | 1.4 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 3 | | 30 |
| <i>Acacia ancistrocarpa</i> x <i>arida</i> | 2.5 | | 1 |
| <i>Acacia arida</i> | 1.7 | | 0.8 |
| <i>Acacia robeorum</i> | 1.7 | | 0.2 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 3 | | 3 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Aristida inaequiglumis</i> | 1 | | 1 |
| <i>Bonamia erecta</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 4.5 | | 1 |

| | | |
|--|-----|-----|
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cullen leucochaetes</i> | 0.1 | 0.1 |
| <i>Duperreya commixta</i> | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.1 |
| <i>Eulalia aurea</i> | 0.5 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.6 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.2 |
| <i>Goodenia muelleriana</i> | 0.2 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 0.2 |
| <i>Melhania oblongifolia</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.1 | 0.1 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Petalostylis labicheoides</i> | 1.6 | 0.2 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Seringia nephrosperma</i> | 0.3 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.1 | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.3 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.6 | 1 |
| <i>Triodia scintillans</i> | 0.4 | 10 |

PHOTO



Site Name: WW37
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/06/2020
 GPS Location: GDA94 Zone 51 316420E 7615237N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Metamorphised Granite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Dolomite, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5 - 10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1 | | 0.4 |
| * <i>Aerva javanica</i> | 0.1 | 1 | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 1.3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.6 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.7 | | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | | 0.8 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | | 25 |
| <i>Triumfetta propinqua</i> | 0.6 | | 0.2 |

PHOTO



Site Name: WW38
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 315343.02E 7595051.65N
 Community: S1
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Track cuts through quadrat (other)
 Fire: ~5 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa x arida, Eucalyptus odontocarpa*
 Lower Stratum 1: *Triodia epactia, Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa x arida</i> | 2.5 | | 2 |
| <i>Acacia arida</i> | 1.8 | | 1 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.5 | | 0.4 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 0.1 |
| <i>Bonamia erecta</i> | 0.4 | | 0.2 |
| <i>Chrysopogon fallax</i> | 0.4 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 3 | | 1 |
| <i>Dampiera candicans</i> | 0.4 | | 0.1 |
| <i>Dicrastylis cordifolia</i> | 0.3 | | 0.2 |
| <i>Eucalyptus odontocarpa</i> | 2 | | 2 |
| <i>Gompholobium polyzygum</i> | 0.6 | | 0.8 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Mirbelia viminalis</i> | 1.7 | | 0.1 |

| | | | |
|-------------------------------|-----|--|-----|
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 45 |
| <i>Triodia scintillans</i> | 0.4 | | 10 |

PHOTO



Site Name: WW39
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 314066.2E 7595053.03N
 Community: S1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia acradenia, Acacia arida, Acacia bivenosa, Senna symonii*

Lower Stratum 1: *Triodia epactia, Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 1.8 | | 3.5 |
| <i>Acacia arida</i> | 1 | | 3 |
| <i>Acacia bivenosa</i> | 1.2 | | 3.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Anthobolus leptomerioides</i> | 1.8 | | 0.2 |
| <i>Aristida inaequiglumis</i> | 0.4 | | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.2 |
| <i>Duperreya commixta</i> | | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.5 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 1.5 |

| | | |
|---|-----|-----|
| <i>Paspalidium rarum</i> | 0.2 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | 0.2 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 1.4 | 2.2 |
| <i>Solanum lasiophyllum</i> | 0.7 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 5 |
| <i>Triodia scintillans</i> | 0.3 | 12 |
| <i>Triodia wiseana</i> | 0.5 | 8 |

PHOTO



Site Name: WW40
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 313836.85E 7592537.17N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), 10-20% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa x arida*
 Lower Stratum 1: *Triodia epactia, Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.2 | | 0.1 |
| <i>Acacia ancistrocarpa x arida</i> | 2.4 | | 2 |
| <i>Acacia arida</i> | 1.8 | | 1.5 |
| <i>Acacia bivenosa</i> | 2.5 | | 1 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.5 | | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.9 | | 0.2 |
| <i>Aristida inaequiglumis</i> | 0.4 | | 0.2 |
| <i>Bonamia erecta</i> | 0.3 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.1 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 4 | | 0.9 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.2 | | 0.1 |
| <i>Dampiera candicans</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Dodonaea coriacea</i> | 0.1 | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | 0.1 |
| <i>Eriachne lanata</i> | 0.2 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.2 |
| <i>Euphorbia boophthona</i> | 0.1 | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.1 |
| <i>Gossypium robinsonii</i> | 3 | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.7 | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.2 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.2 |
| <i>Indigofera monophylla</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | 0.2 |
| <i>Petalostylis labicheoides</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.7 | 0.2 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 0.9 | 0.2 |
| <i>Solanum gabrielae</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 1.3 | 0.2 |
| <i>Triodia epactia</i> | 0.4 | 6 |
| <i>Triodia scintillans</i> | 0.4 | 12 |

PHOTO



Site Name: WW41
 Site Type: QUADRAT
 Dimensions: 20m x 125m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 314600.69E 7595167.87N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia acradenia, Acacia tumida var. pilbarensis*
 Lower Stratum 1: *Paraneurachne muelleri, Triodia epactia, Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon ?sp. Dioicum (A.A. Mitchell PRP 1618)</i> | 0.1 | | 0.1 |
| <i>Acacia acradenia</i> | 2.1 | | 20 |
| <i>Acacia ancistrocarpa</i> | 2.3 | | 0.8 |
| <i>Acacia arida</i> | 2 | | 1.5 |
| <i>Acacia tumida var. pilbarensis</i> | 2 | | 10 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.4 |
| <i>Anthobolus leptomerioides</i> | 1.2 | | 0.1 |
| <i>Aristida holathera var. holathera</i> | 0.1 | | 1.5 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.3 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dampiera candidans</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.1 | | 0.4 |
| <i>Goodenia connata</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.6 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 2 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.4 |
| <i>Triodia epactia</i> | 0.6 | | 12 |
| <i>Triodia scintillans</i> | 0.5 | | 8 |

PHOTO



Site Name: WW42
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 313859.46E 7592150.85N
 Community: HG1
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SE
 Soil Type: Sandy Clay
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: > 5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Mid Stratum 2: *Acacia arida*, *Acacia bivenosa*
 Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.2 | | 2 |
| <i>Acacia bivenosa</i> | 1.5 | | 2 |
| <i>Acacia robeorum</i> | 1.9 | | 5 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.4 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | | | |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.1 |
| <i>Hakea divaricata</i> | 0.6 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.2 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.3 | | 0.1 |
| <i>Senna sericea</i> | 0.5 | | 0.2 |
| <i>Senna symonii</i> | 0.7 | | 0.2 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.8 | | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | | 15 |
| <i>Triodia wiseana</i> | 0.4 | | 55 |

PHOTO



Site Name: WW43
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 12/06/2020
 GPS Location: GDA94 Zone 51 315182.24E 7595052.01N
 Community: S1
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm
 CF Types: Ironstone, Quartz, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: (other) - Track through quadrat
 Fire: >10 yrs
 Comments: Very long unburnt

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*
 Lower Stratum 1: *Bonamia erecta*
 Lower Stratum 2: *Triodia basedowii*, *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 2.5 | | 2 |
| <i>Acacia arida</i> | 0.5 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.6 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.3 | | 1.3 |
| <i>Bonamia erecta</i> | 0.2 | | 2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.1 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 1.4 | | 0.1 |
| <i>Dampiera candidans</i> | 0.2 | | 0.3 |
| <i>Dicrastylis cordifolia</i> | 0.3 | | 1 |
| <i>Dodonaea coriacea</i> | 1.4 | | 0.2 |
| <i>Eucalyptus odontocarpa</i> | 2.5 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.3 |

| | | | |
|---|-----|--|-----|
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 1.5 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.2 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sida cardiophylla</i> | 0.4 | | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 1.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia basedowii</i> | 0.3 | | 5 |
| <i>Triodia epactia</i> | 0.6 | | 8 |
| <i>Triodia scintillans</i> | 0.3 | | 3 |

PHOTO



Site Name: WW44
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 314585.4E 7592748.86N
 Community: S1
 Landform Type: Open Depression
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Track cuts through quadrat (other)
 Fire: > 5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Mid Stratum 2: *Acacia arida*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.7 | | 22 |
| <i>Acacia bivenosa</i> | 1.8 | | 3 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |
| <i>Senna symonii</i> | 1.5 | | 0.2 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.1 | | 0.1 |

| | | | |
|---------------------------|-----|--|-----|
| <i>Tribulus suberosus</i> | 0.4 | | 0.2 |
| <i>Triodia wiseana</i> | 0.4 | | 40 |

PHOTO



Site Name: WW45
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 315278.19E 7592406.96N
 Community: S1
 Landform Type: Undulating plain (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

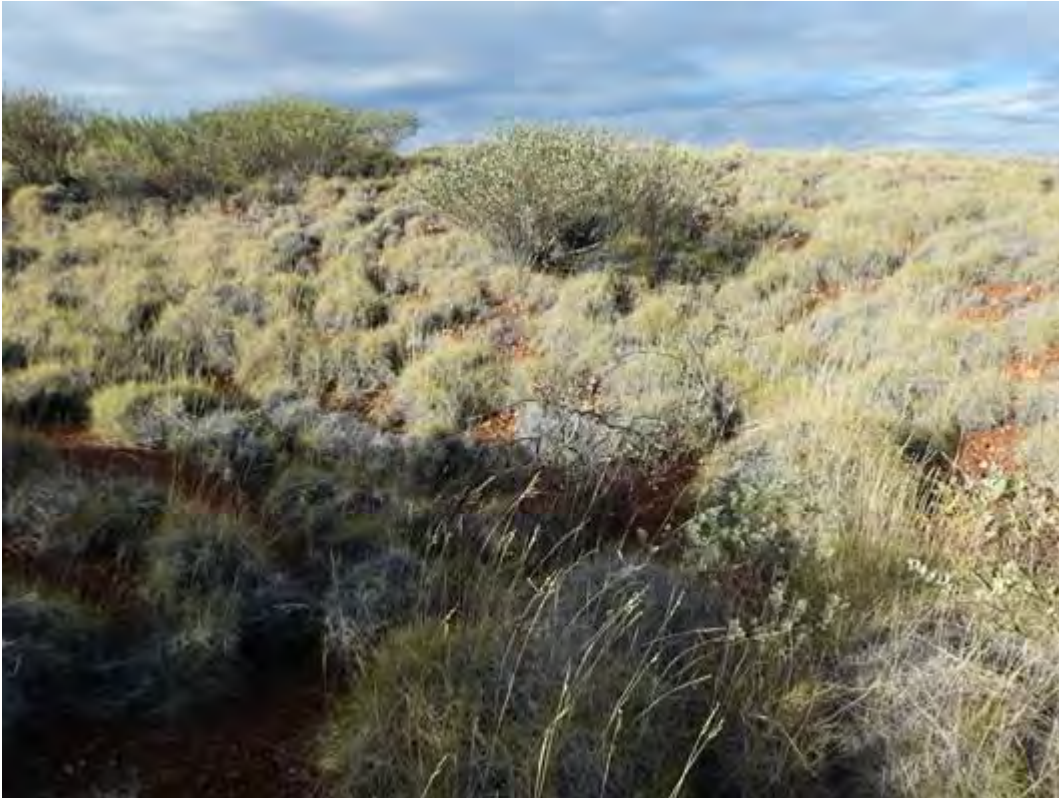
Mid Stratum 1: *Acacia arida*, *Acacia bivenosa*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.3 | | 6 |
| <i>Acacia bivenosa</i> | 1.5 | | 8 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Calytrix carinata</i> | 0.4 | | 0.1 |
| <i>Carissa lanceolata</i> | 0.6 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Dampiera candicans</i> | 0.3 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.6 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.7 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.2 |

| | | | |
|------------------------------|-----|--|-----|
| <i>Hibiscus coatesii</i> | 0.2 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.1 |
| <i>Senna symonii</i> | 1.1 | | 0.3 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 40 |

PHOTO



Site Name: WW46
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 315128.54E 7593119.92N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Tracks through quadrat (other)
 Fire: > 5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.6 | | 0.9 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Calytrix carinata</i> | 0.4 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.2 |
| <i>Triodia scintillans</i> | 0.4 | | 45 |

PHOTO



Site Name: WW47
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 314848.76E 7592187.38N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.1 | | 1 |
| <i>Acacia bivenosa</i> | 1.3 | | 4 |
| <i>Acacia robeorum</i> | 2 | | 0.7 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 1.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.12 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.4 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 2.6 | | 1 |
| <i>Solanum lasiophyllum</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 2 |
| <i>Triodia wiseana</i> | 0.3 | | 13 |

PHOTO



Site Name: WW48
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 315433.53E 7593663.62N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: > 5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 2 | | 0.3 |
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.5 | | 0.3 |
| <i>Acacia arida</i> | 1.6 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dampiera candicans</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.2 |
| <i>Goodenia triodiophila</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | | 0.2 |
| <i>Heliotropium glabellum</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.2 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 30.5 |

PHOTO



Site Name: WW49
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 314278.85E 7592690.48N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: E
 Soil Type: Sandy Clay
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa, Acacia arida*
 Mid Stratum 2: *Indigofera monophylla*
 Lower Stratum 1: *Paraneurachne muelleri, Triodia epactia, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon ?sp. Dioicum (A.A. Mitchell PRP 1618)</i> | 0.1 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 3 | | 12.2 |
| <i>Acacia arida</i> | 2.3 | | 13 |
| <i>Acacia bivenosa</i> | 2 | | 1.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.5 |
| <i>Aristida inaequiglumis</i> | 0.5 | | 1 |
| <i>Bonamia erecta</i> | 0.2 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.4 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.4 |
| <i>Corymbia ?hamersleyana</i> | 1.2 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.2 |
| <i>Dampiera candicans</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Dodonaea coriacea</i> | 0.1 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1.8 | 1.2 |
| <i>Eriachne mucronata</i> | 0.3 | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | 0.3 |
| <i>Goodenia stobbsiana</i> | 0.2 | 0.2 |
| <i>Gossypium australe</i> | 0.3 | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.2 | 0.4 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.3 |
| <i>Indigofera monophylla</i> | 1.5 | 2 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.2 | 5 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Pterocaulon sphacelatum</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 2.1 | 0.2 |
| <i>Senna notabilis</i> | 0.1 | 0.2 |
| <i>Solanum horridum</i> | 0.2 | 0.3 |
| <i>Solanum phlomoides</i> | 0.1 | 0.5 |
| <i>Streptoglossa decurrens</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.4 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 10 |
| <i>Triodia wiseana</i> | 0.5 | 4 |
| <i>Triumfetta johnstonii</i> | 0.2 | 0.1 |
| <i>Triumfetta propinqua</i> | 0.1 | 0.1 |

PHOTO



Site Name: WW50
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 315618.34E 7593121.93N
 Community: HG1
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Dark Brown (other)
 Rock Outcrop: Metamorphised Granite, Quartz (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Calcrete, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Tracks in the vicinity of quadrat (other)
 Fire: > 5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 1.6 | | 0.5 |
| <i>Acacia ancistrocarpa</i> | 1.2 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.2 |
| <i>Acacia hilliana</i> | 0.4 | | 0.2 |
| <i>Acacia robeorum</i> | 2 | | 1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | | | |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.9 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.5 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Mirbelia viminalis</i> | 1.4 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 15 |
| <i>Triodia wiseana</i> | 0.4 | | 22 |

PHOTO



Site Name: WW51
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 315278E 7592821N
 Community: HG11
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SSW
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.7 | | 0.2 |
| <i>Acacia arida</i> | 1.4 | | 3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.6 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 30 |
| <i>Triodia wiseana</i> | 0.5 | | 1 |

PHOTO



Site Name: WW52
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 314481E 7593376N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NE
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Laterised Ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: (other) - Lots of *Acacia tumida* skeletons and stressed individuals - drought?
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*, *Acacia tumida* var. *pilbarensis*
 Mid Stratum 2: *Senna artemisioides* subsp. *oligophylla*
 Lower Stratum 1: *Chrysopogon fallax*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Abutilon macrum</i> | 0.3 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 2.5 | | 8 |
| <i>Acacia arida</i> | 0.9 | | 0.2 |
| <i>Acacia pyriformis</i> var. <i>morrisonii</i> | 2.5 | | 0.5 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 2.5 | | 15 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.4 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.2 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| <i>Bonamia erecta</i> | 0.3 | | 0.6 |

| | | |
|--|-----|-----|
| * <i>Cenchrus ciliaris</i> | 0.5 | 1 |
| <i>Chrysopogon fallax</i> | 0.5 | 15 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | 0.1 |
| <i>Corymbia hamersleyana</i> | 4.5 | 1 |
| <i>Cucumis variabilis</i> | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | 0.2 |
| <i>Dampiera candicans</i> | 0.4 | 0.2 |
| <i>Dysphania ?kalpari</i> | 0.2 | 0.1 |
| <i>Eragrostis cumingii</i> | 0.1 | 0.1 |
| <i>Euphorbia boophthona</i> | 0.3 | 0.2 |
| <i>Euphorbia trigonosperma</i> | 0.3 | 0.3 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.6 | 0.6 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | 0.2 |
| <i>Indigofera monophylla</i> | 1.5 | 0.2 |
| <i>Ipomoea muelleri</i> | | 0.3 |
| <i>Notoleptopus decaisnei</i> | 0.2 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.2 | 0.2 |
| <i>Paspalidium rarum</i> | 0.2 | 0.5 |
| <i>Perotis rara</i> | 0.1 | 0.2 |
| <i>Petalostylis labicheoides</i> | 1.9 | 0.2 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.6 | 2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.9 | 0.2 |
| <i>Senna notabilis</i> | 0.1 | 0.2 |
| <i>Sida fibulifera</i> | 0.2 | 0.1 |
| <i>Solanum horridum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.2 |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | 0.6 | 0.1 |
| <i>Themeda triandra</i> | 0.3 | 0.3 |
| <i>Trianthema pilosum</i> | 0.1 | 0.1 |
| <i>Tribulopsis angustifolia</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.5 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 1 |
| <i>Triumfetta johnstonii</i> | 0.5 | 0.2 |
| <i>Waltheria indica</i> | 0.2 | 0.2 |

PHOTO



Site Name: WW53
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 314994E 7593129N
 Community: HG11
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Metamorphised Granite, Quartz (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.2 | | 3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.2 |
| <i>Triodia scintillans</i> | 0.4 | | 40 |

PHOTO



Site Name: WW54
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 314591E 7593637N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: Metamorphised Granite (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*
 Lower Stratum 2: *Acacia arida*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.5 | | 2 |
| <i>Acacia robeorum</i> | 0.4 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.7 | | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | | 55 |

PHOTO



Site Name: WW55
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 315536E 7593016N
 Community: HG1
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: E
 Soil Type: Light Clay
 Soil Colour: Light brown (other)
 Rock Outcrop: Dolerite/Calcareous (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Metamorphised Granite, Dolerite/Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia epactia, Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.5 | | 0.7 |
| <i>Acacia ancistrocarpa</i> | 2.5 | | 0.3 |
| <i>Acacia arida</i> | 1.2 | | 0.5 |
| <i>Acacia bivenosa</i> | 1 | | 2 |
| <i>Acacia hilliana</i> | 0.4 | | 0.3 |
| <i>Acacia robeorum</i> | 1.6 | | 0.3 |
| <i>Calytrix carinata</i> | 0.5 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.1 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.3 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Paraneurachne muelleri</i> | 0.1 | 0.2 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Pluchea dentex</i> | 0.2 | 0.1 |
| <i>Polycarpha holtzei</i> | 0.1 | 0.1 |
| <i>Sclerolaena</i> sp. | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.6 | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.2 |
| <i>Senna symonii</i> | 0.6 | 1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.3 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.7 | 0.1 |
| <i>Tribulus suberosus</i> | 0.7 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 10 |
| <i>Triodia scintillans</i> | 0.4 | 15 |
| <i>Triodia wiseana</i> | 0.4 | 2 |

PHOTO



Site Name: WW56
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 314804E 7593917N
 Community: S1
 Landform Type: Other, Undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.2 | | 0.8 |
| <i>Acacia arida</i> | 1.2 | | 2 |
| <i>Acacia bivenosa</i> | 2 | | 0.9 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Anthobolus leptomerioides</i> | 0.5 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.7 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.4 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.2 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2.3 | | 0.2 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.7 | | 0.2 |
| <i>Solanum gabrielae</i> | 0.4 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | | 0.5 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 9 |
| <i>Triodia wiseana</i> | 0.4 | | 5 |

PHOTO



Site Name: WW57
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 13/06/2020
 GPS Location: GDA94 Zone 51 315328E 7593562N
 Community: HG11
 Landform Type: Other, Undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolerite (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 1.5 | | 0.1 |
| <i>Acacia hilliana</i> | 0.4 | | 0.3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Dampiera candicans</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.2 |
| <i>Fimbristylis simulans</i> | 0.4 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.4 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 4 | | 1.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.3 | | 1 |
| <i>Heliotropium glabellum</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.1 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.6 | | 0.2 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.3 | | 0.4 |

| | | | |
|---|-----|--|----|
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | | | |
| <i>Triodia epactia</i> | 0.3 | | 1 |
| <i>Triodia scintillans</i> | 0.2 | | 39 |

PHOTO



Site Name: WW58
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 315585E 7594921N
 Community: S1
 Landform Type: Mid Slope, Includes small depression (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Limited Clearing - Tracks
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 2 |
| <i>Acacia bivenosa</i> | 1.8 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.2 |
| <i>Bonamia erecta</i> | 0.5 | | 0.2 |
| <i>Chrysopogon fallax</i> | 0.6 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.2 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.2 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.2 |
| <i>Eucalyptus odontocarpa</i> | 3.5 | | 0.2 |
| <i>Euphorbia trigonosperma</i> | 0.2 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.2 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.7 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Notoleptopus decaisnei</i> | 0.2 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.4 | | 0.2 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.5 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | 0.6 | | 0.2 |
| <i>Trichodesma zeylanicum</i> | 0.2 | | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | | 45 |
| <i>Triodia wiseana</i> | 0.3 | | 0.5 |
| <i>Waltheria virgata</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WW59
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 315705E 7593848N
 Community: S1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Light Clay
 Soil Colour: Light brown (other)
 Rock Outcrop: Metamorphised Granite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs
 Comments: Minor drainage line passes through quadrat.

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia acradenia*
 Mid Stratum 2: *Acacia bivenosa*
 Lower Stratum 1: *Triodia basedowii*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 2.2 | | 6 |
| <i>Acacia arida</i> | 1.7 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.3 | | 10 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | 3 | | 0.7 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.5 | | 0.2 |
| <i>Bonamia erecta</i> | 0.2 | | 0.3 |
| <i>Cassytha capillaris</i> | | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.3 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Dampiera candidans</i> | 0.3 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Eucalyptus odontocarpa</i> | 4 | 1.5 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | 0.1 |
| <i>Goodenia triodiophila</i> | 0.2 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.6 | 0.5 |
| <i>Heliotropium chrysocarpum</i> | 0.4 | 0.6 |
| <i>Hibiscus coatesii</i> | 0.3 | 0.4 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | 1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Salsola australis</i> | 0.2 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 0.5 | 0.3 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.1 |
| <i>Triodia basedowii</i> | 0.2 | 9 |
| <i>Triodia epactia</i> | 0.4 | 1 |
| <i>Triodia wiseana</i> | 0.3 | 10 |

PHOTO



Site Name: WW60
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 314798E 7614636N
 Community: HG12
 Landform Type: Upper Slope, Small hill (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolomite, Dolerite/Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) | 0.3 | | 0.1 |
| <i>Acacia arida</i> | 2.3 | | 1 |
| <i>Acacia inaequilatera</i> | 1.9 | | 0.2 |
| <i>Acacia synchronicia</i> | 2.5 | | 0.2 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.2 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.7 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 1.4 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 0.3 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 0.5 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | 0.1 |
| <i>Indigofera monophylla</i> | 0.1 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.5 | 0.1 |
| <i>Solanum gabrielae</i> | 0.3 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.5 | 0.2 |
| <i>Tephrosia densa</i> | 0.4 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.2 | 0.2 |
| <i>Tribulus suberosus</i> | 0.5 | 0.2 |
| <i>Triodia scintillans</i> | 0.4 | 2.5 |
| <i>Triodia wiseana</i> | 0.5 | 30 |
| <i>Triumfetta propinqua</i> | 0.4 | 0.2 |

PHOTO



Site Name: WW61
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 315149E 7594135N
 Community: S1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Sandy Clay
 Soil Colour: Orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Ironstone, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Eucalyptus odontocarpa*
 Mid Stratum 2: *Acacia acradenia, Acacia adsurgens, Acacia ancistrocarpa, Acacia tumida var. pilbarensis*
 Lower Stratum 1: *Bonamia erecta*
 Lower Stratum 2: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 2 | | 10 |
| <i>Acacia adoxa var. adoxa</i> | 0.5 | | 0.2 |
| <i>Acacia adsurgens</i> | 2 | | 2 |
| <i>Acacia ancistrocarpa</i> | 2.8 | | 15 |
| <i>Acacia arida</i> | 1.8 | | 0.2 |
| <i>Acacia bivenosa</i> | 2.5 | | 1 |
| <i>Acacia tumida var. pilbarensis</i> | 2.8 | | 5 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.5 |
| <i>Amphipogon sericeus</i> | 0.3 | | 1 |
| <i>Anthobolus leptomerioides</i> | 0.8 | | 0.1 |
| <i>Aristida holathera var. holathera</i> | 0.3 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Bonamia erecta</i> | 0.3 | 2 |
| <i>Eucalyptus odontocarpa</i> | 4.3 | 5 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.1 | 0.1 |
| <i>Gompholobium polyzygum</i> | 0.1 | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.2 | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.7 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Mirbelia viminalis</i> | 0.6 | 0.3 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.8 |
| <i>Ptilotus astrolasius</i> | 0.3 | 0.2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Schizachyrium fragile</i> | 0.1 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | 0.1 |
| <i>Triodia basedowii</i> | 0.3 | 1 |
| <i>Triodia epactia</i> | 0.5 | 20 |

PHOTO



Site Name: WW62
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/06/2020
 GPS Location: GDA94 Zone 51 316494E 7615737N
 Community: HG11
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Metamorphised Granite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia acradenia</i> | 0.7 | | 0.2 |
| <i>Acacia arida</i> | 0.9 | | 1 |
| <i>Acacia inaequilatera</i> | 0.8 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Codonocarpus cotinifolius</i> | 0.6 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.5 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Dampiera candicans</i> | 0.4 | | 0.2 |
| <i>Dodonaea coriacea</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.3 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5 | | 2.5 |

| | | |
|---|-----|-----|
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.7 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.5 | 0.1 |
| <i>Pluchea dentex</i> | 0.3 | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | 0.2 |
| <i>Senna symonii</i> | 0.6 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.5 | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.5 | 0.3 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.7 | 10 |
| <i>Triodia scintillans</i> | 0.5 | 25 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.2 |
| <i>Triumfetta propinqua</i> | 0.2 | 0.1 |

PHOTO



Site Name: WW63
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 314913E 7594229N
 Community: HG11
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Aspect: E
 Soil Type: Clay Loam
 Soil Colour: Orange
 Rock Outcrop: Metamorphised Granite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Quartz, Metamorphised Granite, Dolerite/Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia basedowii*, *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1 | | 20 |
| <i>Calytrix carinata</i> | 0.6 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 5 | | 1.5 |
| <i>Dampiera candicans</i> | 0.2 | | 0.1 |
| <i>Eremophila exilifolia</i> | 0.7 | | 1.3 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.2 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.3 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.3 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Goodenia triodiophila</i> | 0.2 | | 0.1 |
| <i>Heliotropium glabellum</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.4 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.2 | | 0.2 |
| <i>Schizachyrium fragile</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.8 | | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.3 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.1 | | 0.1 |
| <i>Triodia basedowii</i> | 0.2 | | 23 |
| <i>Triodia epactia</i> | 0.3 | | 12 |

PHOTO



Site Name: WW64
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/06/2020
 GPS Location: GDA94 Zone 51 315130E 7615296N
 Community: HG12
 Landform Type: Crest
 Slope Class: Steep (23 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - *Aerva javanica* present
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.3 | | 0.1 |
| <i>Acacia arida</i> | 0.7 | | 0.1 |
| <i>Acacia inaequilatera</i> | 0.3 | | 0.1 |
| * <i>Aerva javanica</i> | 0.7 | | 1 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Clerodendrum tomentosum</i> | 1.5 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.2 |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | 6 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Cynanchum viminale</i> subsp. <i>australe</i> | 0.8 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Cyperus hesperius</i> | 0.2 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.2 | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.7 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.2 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | 0.2 |
| <i>Solanum gabriellae</i> | 0.5 | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | 0.1 |
| <i>Tinospora smilacina</i> | | 0.2 |
| <i>Trichodesma zeylanicum</i> | 0.3 | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | 15 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.1 |

PHOTO



Site Name: WW65
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 315265E 7594316N
 Community: HG11
 Landform Type: Other, Undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolerite/Calcareous (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite, Dolerite/Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia adoxa</i> var. <i>adoxo</i> | 0.4 | | 0.3 |
| <i>Acacia bivenosa</i> | 1.8 | | 1.3 |
| <i>Acacia hilliana</i> | 0.5 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.8 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 2 | | 0.4 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Dampiera candidans</i> | 0.3 | | 0.3 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.2 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.2 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.2 |
| <i>Goodenia triodiophila</i> | 0.3 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 1.5 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 2 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | 0.1 | | 0.2 |
| <i>Triodia scintillans</i> | 0.2 | | 45 |

PHOTO



Site Name: WW66
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314233E 7612696N
 Community: HG11
 Landform Type: Other, Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <1yr
 Comments: Recent fire

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.5 | | 0.1 |
| <i>Acacia arida</i> | 0.2 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 3 | | 0.3 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.4 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.2 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.1 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | | 0.1 |
| <i>Paspalidium rarum</i> | 0.1 | | 0.1 |
| <i>Polygala glaucifolia</i> | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.3 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.5 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.1 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.1 | | 2 |
| <i>Triumfetta propinqua</i> | 0.2 | | 0.1 |

PHOTO



Site Name: WW67
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 14/06/2020
 GPS Location: GDA94 Zone 51 314955E 7614207N
 Community: HG5
 Landform Type: Flat
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Light Clay
 Soil Colour: Light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Ironstone, Calcrete, Metamorphised Granite, Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Mid Stratum 2: *Senna artemisioides* subsp. *helmsii*
 Lower Stratum 1: *Triodia angusta*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia synchronicia</i> | 4 | | 15 |
| * <i>Aerva javanica</i> | 0.5 | 5 | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | 10 | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.3 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.1 | | 0.5 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 1 | | 20 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia angusta</i> | 0.8 | | 5 |

| | | |
|------------------------|-----|----|
| <i>Triodia wiseana</i> | 0.5 | 25 |
|------------------------|-----|----|

PHOTO



Site Name: WW68
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314966E 7612655N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sand
 Soil Colour: Brown
 Soil Condition: Both sand and sandy-loam
 Rock Outcrop: Dolerite/Calcareous (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: River stones (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Atalaya hemiglauca, Eucalyptus camaldulensis* subsp. *refulgens, Eucalyptus victrix*
 Lower Stratum 1: *Arivela viscosa*
 Lower Stratum 2: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | | | |
| <i>Acacia arida</i> | 1.6 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 1 |
| <i>Acacia pyriformis</i> var. <i>morrisonii</i> | 0.5 | | 0.1 |
| <i>Acacia trachycarpa</i> | 2.5 | | 1 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Alternanthera angustifolia</i> | 0.1 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.4 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 3 |
| <i>Atalaya hemiglauca</i> | 8 | | 2 |

| | | |
|---|-----|-----|
| <i>Boerhavia burbidgeana</i> | 0.1 | 0.2 |
| <i>Boerhavia coccinea</i> | 0.2 | 0.2 |
| <i>Bonamia media</i> | 0.1 | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.5 | 8 |
| * <i>Citrullus amarus</i> | 0.1 | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | 0.2 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.3 | 0.1 |
| <i>Cullen leucanthum</i> | 0.1 | 0.1 |
| <i>Cyperus vaginatus</i> | 0.8 | 0.2 |
| <i>Eriachne tenuiculmis</i> | 0.4 | 0.1 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 10 | 8.5 |
| <i>Eucalyptus victrix</i> | 10 | 4 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.3 | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.4 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | | |
| <i>Goodenia microptera</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.6 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.2 | 0.1 |
| <i>Ipomoea muelleri</i> | | 0.1 |
| <i>Marsilea hirsuta</i> | 0.1 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.1 | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | 0.1 |
| <i>Petalostylis labicheoides</i> | 2 | 0.2 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Pluchea dentex</i> | 0.3 | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | | |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 0.1 |
| <i>Triodia longiceps</i> | | |
| <i>Triumfetta chaetocarpa</i> | 0.4 | 0.1 |

PHOTO



Site Name: WW69
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 25/06/2020
 GPS Location: GDA94 Zone 51 315251E 7614848N
 Community: HG11
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphic (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite, Metamorphic (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia basedowii*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.6 | | 0.3 |
| <i>Acacia hilliana</i> | 0.2 | | 0.8 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.2 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.2 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Corymbia hamersleyana</i> | 2.5 | | 0.3 |
| <i>Cymbopogon ambiguus</i> | 0.6 | | 0.2 |
| <i>Dampiera candidans</i> | 0.6 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.7 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.3 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | 25 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.5 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.1 |
| <i>Solanum gabrielae</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | 0.1 |
| <i>Tribulus suberosus</i> | 0.8 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia basedowii</i> | 0.3 | 10 |
| <i>Triodia scintillans</i> | 0.2 | 15 |
| <i>Triumfetta maconochieana</i> | 0.7 | 0.1 |

PHOTO



Site Name: WW70
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314742E 7612850N
 Community: HG12
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite/Calcareous (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite/Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <1yr
 Comments: Recent fire

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.1 | | 0.1 |
| <i>Acacia arida</i> | 0.1 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.1 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.5 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.1 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.1 |
| <i>Cullen pogonocarpum</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.2 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 0.2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | 0.1 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Portulaca decipiens</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.3 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.1 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 0.1 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 2 |
| <i>Triumfetta propinqua</i> | 0.1 | 0.1 |

PHOTO



Site Name: WW71
 Site Type: QUADRAT
 Dimensions: 10m x 250m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314351E 7613580N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Shale (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Shale (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10yrs/<5yrs
 Comments: Minor weeds, especially at the northern end (close to recently burnt area / fire scar). The area is somewhat incised. Approximately 2/3 of quadrat recently burnt.

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Atalaya hemiglauca, Corymbia hamersleyana*
 Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Mid Stratum 2: *Senna artemisioides* subsp. *oligophylla*
 Lower Stratum 1: *Acacia arida, Corchorus* aff. *incanus* (potentially undescribed), *Cynanchum floribundum, Polymeria mollis*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.2 |
| <i>Acacia arida</i> | 0.8 | | 2 |
| <i>Acacia bivenosa</i> | 0.8 | | 1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 2 | | 1 |
| * <i>Aerva javanica</i> | 0.6 | 800 | 1.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.3 |

| | | | |
|--|-----|---|-----|
| <i>Arivela viscosa</i> | 0.3 | | 0.3 |
| <i>Atalaya hemiglauca</i> | 2.5 | | 5 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.3 |
| * <i>Cenchrus ciliaris</i> | 0.4 | 2 | 0.1 |
| <i>Clerodendrum tomentosum</i> | 1.5 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 4 |
| <i>Corymbia hamersleyana</i> | 5 | | 3 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.2 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.5 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 2.5 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Digitaria ctenantha</i> | 0.1 | | 0.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.2 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.4 | | 0.4 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.8 | | 0.3 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.5 | | 2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.2 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.8 | | 0.8 |
| <i>Isotropis atropurpurea</i> | 0.2 | | 0.3 |
| <i>Melhania oblongifolia</i> | 0.4 | | 0.7 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.3 |
| <i>Paspalidium rarum</i> | 0.1 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.1 | | 0.2 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | 1 | | 0.2 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | | 0.2 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.6 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.3 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.3 | | 2 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 3 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Solanum diversiflorum</i> | 0.1 | | 0.2 |
| <i>Solanum gabrielae</i> | 0.4 | | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.2 | | 0.3 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.2 |
| <i>Triodia wiseana</i> | 0.4 | | 8 |
| <i>Triumfetta propinqua</i> | 0.7 | | 0.7 |
| <i>Waltheria indica</i> | 0.2 | | 0.1 |
| <i>Waltheria virgata</i> | 0.6 | | 0.2 |

PHOTO



Site Name: WW72
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314791E 7613019N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NNW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite/Calcareous (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite/Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >5yrs
 Comments: Quadrat straddles two landform types: Plain and Upper slope

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.2 | | 0.1 |
| <i>Acacia arida</i> | 1 | | 0.2 |
| <i>Acacia bivenosa</i> | 2 | | 0.4 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 0.4 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Cynanchum floribundum</i> | 0.4 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.2 | | 0.1 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.2 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | 0.4 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.4 | 0.1 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.1 | 0.1 |
| <i>Solanum gabrielae</i> | 0.4 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Stemodia grossa</i> | 0.3 | 0.1 |
| <i>Tinospora smilacina</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.6 | 30 |
| <i>Triumfetta propinqua</i> | 0.6 | 0.1 |

PHOTO



Site Name: WW73
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314218E 7613199N
 Community: HG12
 Landform Type: Undulating plain (other)
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: SE
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Laterised Ironstone, Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Laterised Ironstone, Dolomite, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10yrs
 Comments: Close to recent burn scarring (<5 yrs)

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 5 |
| <i>Arivela viscosa</i> | 0.3 | | 0.5 |
| <i>Bonamia pilbarensis</i> | | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.3 |
| <i>Corymbia hamersleyana</i> | 4.5 | | 0.8 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | | 1 |

| | | | |
|--|-----|--|-----|
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Solanum gabrielae</i> | 0.2 | | 0.2 |
| <i>Solanum lasiophyllum</i> | 0.6 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.4 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 1 |
| <i>Triodia wiseana</i> | 0.3 | | 34 |
| <i>Triumfetta propinqua</i> | 0.3 | | 0.4 |

PHOTO



Site Name: WW74
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314396.95E 7613067.18N
 Community: HG12
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Quartz, Dolomite, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2 | | 0.8 |
| <i>Acacia bivenosa</i> | 1.5 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Cynanchum floribundum</i> | 0.4 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | | | |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 3 | | 1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.8 | | 0.1 |
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | | | |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | | 0.1 |
| <i>Solanum horridum</i> | 0.3 | | 0.1 |

| | | | |
|----------------------------------|-----|--|-----|
| <i>Solanum lasiophyllum</i> | 0.5 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.5 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 30 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.1 |
| <i>Waltheria virgata</i> | 0.7 | | 0.1 |

PHOTO



Site Name: WW75
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314827E 7613472N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Sandy Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: River stones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia coriacea* subsp. *pendens*, *Eucalyptus victrix*
 Mid Stratum 1: *Atalaya hemiglauca*, *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*, *Eriachne benthamii*, *Eriachne mucronata*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3 | | 10 |
| <i>Acacia trachycarpa</i> | 2 | | 1 |
| * <i>Aerva javanica</i> | 0.6 | 250 | 1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.7 |
| <i>Atalaya hemiglauca</i> | 2 | | 2 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.4 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 7500 | 15 |
| <i>Chrysopogon fallax</i> | 0.4 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.2 |
| <i>Cyperus vaginatus</i> | 0.6 | | 1.5 |
| <i>Enneapogon lindleyanus</i> | 0.2 | | 0.1 |
| <i>Eriachne benthamii</i> | 0.5 | | 2 |

| | | | |
|--|-----|--|-----|
| <i>Eriachne mucronata</i> | 0.3 | | 25 |
| <i>Eriachne obtusa</i> | 0.4 | | 0.1 |
| <i>Eucalyptus victrix</i> | 8 | | 15 |
| <i>Eulalia aurea</i> | 0.5 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.2 |
| <i>Euphorbia trigonosperma</i> | 0.1 | | 0.2 |
| <i>Ficus brachypoda</i> | 0.5 | | 0.1 |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | 2.2 | | 0.3 |
| * <i>Malvastrum americanum</i> | 0.4 | | 0.1 |
| <i>Melaleuca glomerata</i> | 2 | | 3 |
| <i>Phyllanthus maderaspatensis</i> | 0.6 | | 0.1 |
| <i>Pluchea dentex</i> | 0.3 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Sesbania cannabina</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.3 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.4 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 0.5 |
| <i>Vigna lanceolata</i> var. <i>lanceolata</i> | | | 0.1 |

PHOTO



Site Name: WW76
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 26/06/2020
 GPS Location: GDA94 Zone 51 314040.67701379E 7607620.43479662N
 Community: HG6
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle activity
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eragrostis dielsii</i> | 0.1 | | 0.1 |
| <i>Eragrostis xerophila</i> | | | |
| <i>Eremophila forrestii</i> subsp. <i>forrestii</i> | 1.6 | | 0.1 |
| <i>Maireana tomentosa</i> subsp. <i>tomentosa</i> | 0.4 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.6 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Sclerolaena cuneata</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.8 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |

| | | | |
|------------------------------|-----|--|-----|
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | | 30 |

PHOTO



Site Name: WW77
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 314278E 7614395N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NE
 Soil Type: Light Clay
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Calcrete (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite, Calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: 5 - 10 yrs
 Comments: Some **Aerva javanica* but not impacting the vegetation structure

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Acacia arida*, *Corchorus* aff. *incanus* (potentially undescribed)
 Lower Stratum 2: *Eragrostis desertorum*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 0.6 | | 2.5 |
| <i>Acacia bivenosa</i> | 0.6 | | 0.8 |
| <i>*Aerva javanica</i> | 0.7 | 50 | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.2 |
| <i>*Cenchrus ciliaris</i> | 0.4 | 2 | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.7 | | 2 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.1 |
| <i>Cynanchum viminale</i> subsp. <i>australe</i> | 0.8 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Enneapogon caeruleus</i> | 0.1 | 0.1 |
| <i>Eragrostis desertorum</i> | 0.2 | 2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | 2 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.2 | 0.3 |
| <i>Heliotropium crispatum</i> | 0.4 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.2 |
| <i>Indigofera monophylla</i> | 0.4 | 0.2 |
| <i>Portulaca decipiens</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.2 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.2 |
| <i>Ptilotus clementii</i> | 0.4 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.3 |
| <i>Senna symonii</i> | 0.7 | 0.2 |
| <i>Solanum phlomoides</i> | 0.3 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia densa</i> | 0.7 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.2 |
| <i>Triodia wiseana</i> | 0.3 | 15 |
| <i>Triumfetta propinqua</i> | 0.6 | 0.3 |

PHOTO



Site Name: WW78
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 313794.23E 7614782.38N
 Community: HG12
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Brown
 Soil Condition: Soil variation between light clay and clay loam throughout plot
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5yrs
 Comments: On rock outcrop of Dolomite

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.4 | | 0.1 |
| <i>Acacia arida</i> | 2 | | 0.2 |
| * <i>Aerva javanica</i> | 0.6 | | 0.5 |
| <i>Arivela viscosa</i> | 0.6 | | 0.3 |
| <i>Boerhavia coccinea</i> | 0.3 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.4 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen stipulaceum</i> | 0.2 | | 0.1 |
| <i>Cynanchum floribundum</i> | 0.4 | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Enneapogon caeruleus</i> | 0.1 | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.2 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2.5 | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.1 | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.6 | 0.1 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.3 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.2 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.6 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia densa</i> | 0.4 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.5 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | 15 |
| <i>Triumfetta propinqua</i> | 0.5 | 0.1 |

PHOTO



Site Name: WW79
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 314180E 7614226N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Clayey Sand
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: River stones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Acacia coriacea* subsp. *pendens*, *Atalaya hemiglauca*, *Eucalyptus victrix*
 Mid Stratum 1: *Acacia trachycarpa*, *Melaleuca glomerata*
 Lower Stratum 1: **Cenchrus ciliaris*, *Eriachne benthamii*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) | 0.2 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 5 | | 2 |
| <i>Acacia trachycarpa</i> | 5 | | 3.5 |
| * <i>Aerva javanica</i> | 0.3 | 40 | 0.2 |
| <i>Amaranthus undulatus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.8 |
| <i>Atalaya hemiglauca</i> | 6 | | 4 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.3 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | 3000 | 12 |
| * <i>Cenchrus setiger</i> | 0.5 | 4 | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.5 | | 0.2 |
| <i>Cyperus vaginatus</i> | 0.5 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eriachne benthamii</i> | 0.4 | | 15 |
| <i>Eucalyptus victrix</i> | 9 | | 15 |
| <i>Euphorbia trigonosperma</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.8 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | | 0.1 |
| <i>Melaleuca glomerata</i> | 4 | | 30 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paspalidium tabulatum</i> | 0.1 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | | 0.1 |
| <i>Pluchea dentex</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 1.7 |
| <i>Waltheria indica</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WW80
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 313938.16E 7615173.61N
 Community: HG11
 Landform Type: Crest
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Soil Condition: Soil type = light clay and clay loam (varies throughout plot)
 Rock Outcrop: Metamorphised Granite, Sandstone/Sedimentary (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 2-6mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >5yrs
 Comments: Quadrat on crested plateau formation

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.5 | | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.5 | | 0.1 |
| <i>Clerodendrum floribundum</i> | 1.5 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.1 |
| <i>Dampiera candicans</i> | 0.5 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.2 | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.4 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.3 | 3 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.2 | 0.1 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 1.2 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | 0.1 |
| <i>Triodia scintillans</i> | 0.5 | 20 |
| <i>Triumfetta maconochieana</i> | 0.4 | 0.1 |

PHOTO



Site Name: WW81
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 314665E 7613857N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SW
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolomite, Pink Calcareous (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite, Pink Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >10yrs
 Comments: Some weeds but doesn't appear to be impacting vegetation structure

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*, *Acacia bivenosa*, *Grevillea wickhamii* subsp. *hispidula*

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.2 |
| <i>Acacia arida</i> | 2.8 | | 4 |
| <i>Acacia bivenosa</i> | 2.5 | | 10 |
| * <i>Aerva javanica</i> | 0.5 | 50 | 1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.3 |
| <i>Atalaya hemiglauca</i> | 2 | | 0.8 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.3 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Cynanchum viminale</i> subsp. <i>australe</i> | 1.6 | | 0.2 |

| | | |
|--|-----|-----|
| <i>Enneapogon lindleyanus</i> | 0.2 | 0.1 |
| <i>Eragrostis desertorum</i> | 0.3 | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.8 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.8 | 3 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | 0.4 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Hibiscus brachychlaenus</i> | 1.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | 0.4 |
| <i>Melhania oblongifolia</i> | 0.6 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.4 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.2 | 0.1 |
| <i>Solanum gabrielae</i> | 0.4 | 0.2 |
| <i>Solanum horridum</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.2 |
| <i>Tephrosia densa</i> | 0.2 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.2 |
| <i>Tribulus suberosus</i> | 0.2 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 20 |
| <i>Triumfetta propinqua</i> | 0.4 | 0.8 |

PHOTO



Site Name: WW82
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 313906.93E 7615627.48N
 Community: HG11
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NNW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Soil Condition: Soil = clay loam with shallow sand on the surface
 Rock Outcrop: Metamorphised Granite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Grevillea wickhamii* subsp. *hispidula*

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia hilliana</i> | 0.5 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.5 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Calytrix carinata</i> | 0.4 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Dampiera candidans</i> | 0.3 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.3 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 2.5 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.3 | 0.1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.8 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 0.1 |
| <i>Triodia scintillans</i> | 0.4 | 17 |

PHOTO



Site Name: WW83
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 314535E 7614274N
 Community: HG12
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite, Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: 5 - 10 yrs
 Comments: Some weeds but doesn't appear to be impacting the vegetation structure

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Heliotropium* aff. *argyreum* (potentially undescribed), *Indigofera monophylla*
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.8 | | 0.5 |
| <i>Acacia bivenosa</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.6 | 25 | 0.4 |
| <i>Arivela viscosa</i> | 0.4 | | 0.4 |
| <i>Bonamia pilbarensis</i> | | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.4 | | 0.5 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.3 | | 0.2 |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | 0.2 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.5 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 2 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.6 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.6 | | 0.2 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 1.4 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.3 |
| <i>Tribulus minutus</i> (P1) | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | | 15 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WW84
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 314330.08E 7614918.23N
 Community: HG1
 Landform Type: Undulating Plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolerite/Calcareous (other), 2-10% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite/Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: ~5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 1.2 | | 1 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 1.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.2 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.8 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.8 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | | 0.1 |
| <i>Senna sericea</i> | 0.9 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |

PHOTO



Site Name: WW85
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 315223E 7615538N
 Community: HG12
 Landform Type: Lower Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Metamorphised Granite, Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: ~5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Corchorus aff. incanus* (potentially undescribed)
 Lower Stratum 2: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.8 | | 0.6 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.3 | | 0.4 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 2 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eragrostis olida</i> | 0.2 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.8 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.6 | | 0.5 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.5 | | 0.2 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Ptilotus fusiformis</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Solanum phlomoides</i> | 1 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | | 0.2 |
| <i>Tribulus suberosus</i> | 0.2 | | 0.1 |
| <i>Triodia wiseana</i> | 0.2 | | 20 |
| <i>Triumfetta propinqua</i> | 0.6 | | 0.1 |

PHOTO



Site Name: WW86
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 315841.57E 7615186.35N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 2-6mm
 CF Types: Dolomite, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.5 | | 0.4 |
| * <i>Aerva javanica</i> | 0.5 | | 0.1 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | | 0.2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.2 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.2 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 0.7 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.2 | | 0.1 |
| <i>Tephrosia densa</i> | 0.2 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.3 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 15 |
| <i>Triumfetta propinqua</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WW87
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 315731E 7614360N
 Community: HG12
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolomite, Metamorphised Granite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

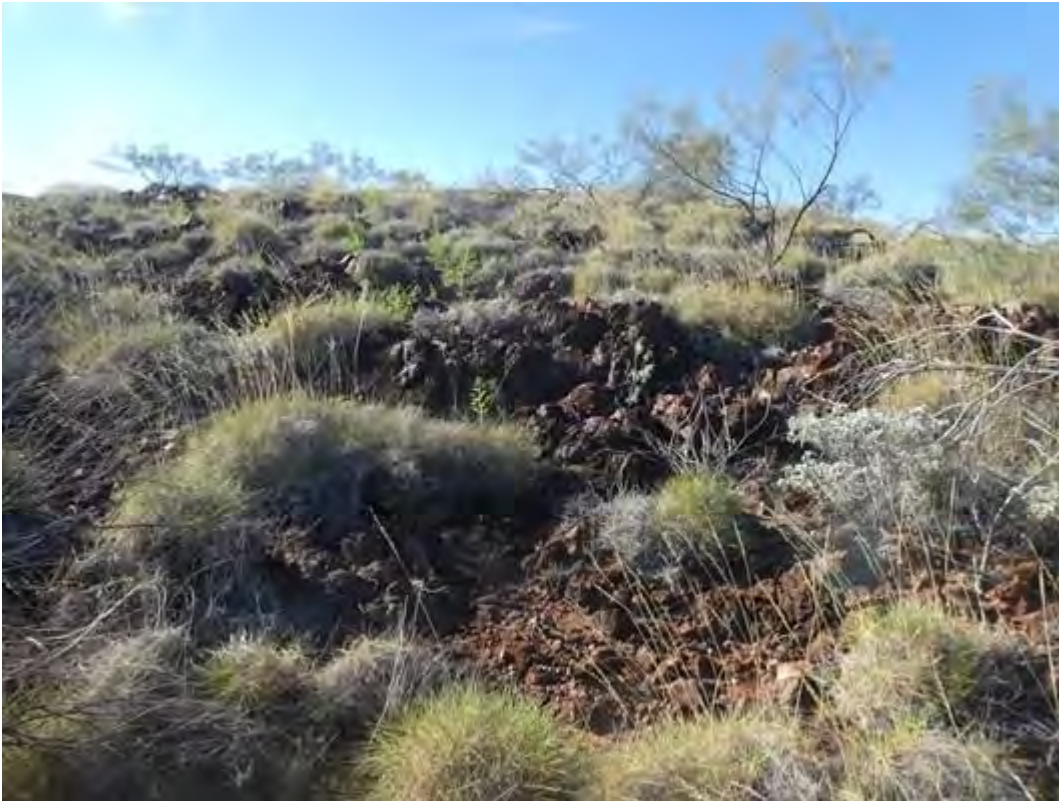
Mid Stratum 1: *Acacia arida*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2.5 | | 20 |
| * <i>Aerva javanica</i> | 0.5 | 9 | 0.2 |
| <i>Afrohybanthus aurantiacus</i> | 0.4 | | 0.2 |
| <i>Arivela viscosa</i> | 0.4 | | 0.4 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | | 1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynanchum floribundum</i> | | | 0.2 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.2 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.8 | | 0.2 |
| <i>Solanum gabrielae</i> | 0.5 | | 0.1 |

| | | | |
|-----------------------------|-----|--|-----|
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.3 | | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | | 25 |
| <i>Triumfetta propinqua</i> | 0.6 | | 0.3 |

PHOTO



Site Name: WW88
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 315974.82E 7614738.07N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Metamorphised Granite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 2-6mm
 CF Types: Dolerite, Quartz, Colluvial, Metamorphised Granite, Laterised Ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: ~5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.9 | | 0.2 |
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Acacia robeorum</i> | 1 | | 0.3 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.6 | | 0.2 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.2 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 0.4 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.3 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.2 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.2 | | 3 |
| <i>Triodia wiseana</i> | 0.3 | | 17 |

PHOTO



Site Name: WW89
 Site Type: QUADRAT
 Dimensions: 8m x 312.5m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316308E 7614418N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Light Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: River stones (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - Cattle activity
 Fire: 5 - 10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Corymbia hamersleyana*
 Mid Stratum 1: *Acacia arida*, *Acacia trachycarpa*
 Lower Stratum 1: **Aerva javanica*, *Corchorus* aff. *incanus* (potentially undescribed)
 Lower Stratum 2: *Aristida inaequiglumis*, **Cenchrus ciliaris*, *Paraneurachne muelleri*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia acradenia</i> | 1.5 | | 0.7 |
| <i>Acacia arida</i> | 1.6 | | 15 |
| <i>Acacia bivenosa</i> | 1 | | 1 |
| <i>Acacia inaequilatera</i> | 1.6 | | 0.2 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1 | | 0.7 |
| <i>Acacia trachycarpa</i> | 1.6 | | 20 |
| * <i>Aerva javanica</i> | 0.1 | 95 | 3 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.2 |
| <i>Aristida inaequiglumis</i> | 0.4 | | 5 |
| <i>Arivela viscosa</i> | 0.1 | | 0.3 |
| <i>Atalaya hemiglauca</i> | 1.6 | | 0.7 |

| | | | |
|--|-----|------|-----|
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.3 |
| <i>Carissa lanceolata</i> | 1.7 | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 2000 | 20 |
| * <i>Citrullus amarus</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 3 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.2 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | | 3 |
| <i>Cucumis variabilis</i> | | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.2 |
| <i>Cynanchum floribundum</i> | | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.3 | | 0.3 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.2 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.2 | | 0.1 |
| <i>Gossypium australe</i> | 1.3 | | 0.5 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.4 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.6 | | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.5 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.2 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | | 0.3 |
| <i>Isotropis atropurpurea</i> | 0.4 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.1 | | 0.3 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 20 |
| <i>Phyllanthus maderaspatensis</i> | 0.2 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.6 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| <i>Ptilotus obovatus</i> | 0.7 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.8 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1.2 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.3 | | 0.4 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 1.4 | | 0.2 |
| <i>Sesbania cannabina</i> | 0.2 | | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.2 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Solanum horridum</i> | 0.2 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.9 | 1.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Themeda triandra</i> | 0.5 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 0.5 |
| <i>Triodia wiseana</i> | 0.5 | 25 |
| <i>Triumfetta propinqua</i> | 1.3 | 0.3 |

PHOTO



Site Name: WW90
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 317000E 7615460.31N
 Community: HG12
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite, Metamorphised Capping (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm
 CF Types: Dolomite, Metamorphised Capping (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >5yrs
 Comments: Quadrat landform straddling both crest and upper slope

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2.3 | | 1.2 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.2 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.4 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.4 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.4 | | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |

| | | | |
|-------------------------------|-----|--|-----|
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.6 | | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 1 |
| <i>Triodia wiseana</i> | 0.4 | | 20 |
| <i>Triumfetta propinqua</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WW91
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316515E 7614308N
 Community: HG1
 Landform Type: Flat
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clayey Sand
 Soil Colour: Orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Calcrete, Metamorphised Granite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Some cattle activity
 Fire: 5 - 10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia bivenosa, Acacia robeorum, Senna sericea*

Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|------------------------------------|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.3 | | 0.2 |
| <i>Acacia bivenosa</i> | 1 | | 2 |
| <i>Acacia ptychophylla</i> | | | |
| <i>Acacia robeorum</i> | 1.6 | | 5 |
| <i>Acacia trachycarpa</i> | 0.6 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.8 |
| <i>Hibiscus coatesii</i> | 0.6 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.4 | | 0.4 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.6 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | 0.6 | | 2 |
| <i>Senna symonii</i> | 0.7 | | 0.2 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Sida cardiophylla</i> | 0.7 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.2 | | 5 |
| <i>Triodia wiseana</i> | 0.5 | | 20 |

PHOTO



Site Name: WW92
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316906.372380544E 7614810.56945842N
 Community: HG12
 Landform Type: Undulating low plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Soil Condition: Some sand on the surface
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.8 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.2 | | 0.6 |
| <i>Acacia robeorum</i> | 1.4 | | 1 |
| <i>Acacia synchronicia</i> | 1.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.5 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Senna sericea</i> | 0.8 | | 0.1 |
| <i>Senna symonii</i> | 0.4 | | 0.1 |

| | | | |
|---------------------------|-----|--|-----|
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus suberosus</i> | 0.4 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 3 |
| <i>Triodia wiseana</i> | 0.3 | | 9 |
| <i>Waltheria virgata</i> | 0.5 | | 0.1 |

PHOTO



Site Name: WW93
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316823E 7614346N
 Community: HG1
 Landform Type: Flat
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Light Clay
 Soil Colour: Light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphised Granite, Laterised Ironstone (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Some cattle activity
 Fire: 5 - 10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.2 | | 0.8 |
| <i>Acacia robeorum</i> | 1.2 | | 0.2 |
| <i>Acacia synchronicia</i> | 1.4 | | 0.1 |
| <i>Cassutha capillaris</i> | | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.5 | | 0.1 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 0.8 | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | | 0.1 |
| <i>Sclerolaena densiflora</i> | 0.1 | | 0.1 |
| <i>Senna sericea</i> | 1.3 | | 0.1 |
| <i>Senna symonii</i> | 1.1 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.6 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.5 | | 15 |

PHOTO



Site Name: WW94
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316804.09E 7614696.13N
 Community: HG1
 Landform Type: Mid Slope
 Slope Class: Very Steep (37 degrees)
 Aspect: S
 Soil Type: Clay Loam
 Soil Colour: Pale brown /white (other)
 Rock Outcrop: Metamorphised Granite, Sandstone/Sedimentary (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Metamorphised Granite, Sandstone/Sedimentary (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1 | | 0.2 |
| <i>Acacia robeorum</i> | 2 | | 0.2 |
| * <i>Aerva javanica</i> | 0.4 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.1 |
| <i>Dampiera candidans</i> | 0.4 | | 0.1 |
| <i>Dodonaea coriacea</i> | 0.4 | | 0.15 |
| <i>Eriachne mucronata</i> | 0.2 | | 0.2 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 5.5 | | 1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.2 |
| <i>Polycarpaea longiflora</i> | 0.2 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 1.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |

| | | |
|---|-----|------|
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.8 | 0.1 |
| <i>Senna symonii</i> | 0.6 | 0.1 |
| <i>Tribulus suberosus</i> | 0.9 | 0.1 |
| <i>Trichodesma zeylanicum</i> | 0.5 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 1 |
| <i>Triodia longiceps</i> | 0.4 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 10 |
| <i>Triodia wiseana</i> | 0.3 | 6 |
| <i>Triumfetta maconochieana</i> | 0.6 | 0.15 |

PHOTO



Site Name: WW95
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 318264E 7611713N
 Community: W1
 Landform Type: Flowline (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SE
 Soil Type: Clayey Sand
 Soil Colour: Orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: River stones (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs
 Comments: High cover of **Cenchrus ciliaris* and cattle activity (grazing, tracks etc.)

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Gossypium australe, Stylobasium spathulatum*
 Lower Stratum 1: *Corchorus sidoides* subsp. *sidoides, Pluchea tetranthera*
 Lower Stratum 2: *Aristida inaequiglumis, *Cenchrus ciliaris, Tridodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|----------------------------------|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Abutilon otocarpum</i> | 0.2 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 0.4 | | 0.6 |
| <i>Acacia bivenosa</i> | 0.8 | | 0.4 |
| <i>Acacia hilliana</i> | 0.6 | | 0.5 |
| <i>Acacia inaequilatera</i> | 1 | | 0.1 |
| <i>Acacia robeorum</i> | 1.5 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.4 | | 1 |
| <i>*Aerva javanica</i> | 0.2 | 25 | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.2 |
| ? <i>Androcalva loxophylla</i> | 0.4 | | 0.1 |
| <i>Aristida inaequiglumis</i> | 0.3 | | 15 |

| | | | |
|---|-----|------|-----|
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.3 |
| <i>Bonamia ?linearis</i> | | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 2000 | 15 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.9 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.7 | | 3 |
| <i>Corymbia hamersleyana</i> | 2.3 | | 1.5 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Dampiera candidans</i> | 0.4 | | 0.1 |
| <i>Eragrostis olida</i> | 0.3 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | | | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.2 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 1.5 | | 2.4 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 2 | | 1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1 | | 0.2 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.5 | | 0.8 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.2 |
| <i>Hibiscus coatesii</i> | 0.3 | | 0.2 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera linnaei</i> | 0.1 | | 0.2 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.3 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.2 | | 1 |
| <i>Petalostylis labicheoides</i> | 1.6 | | 0.2 |
| <i>Pluchea dentex</i> | 0.2 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | | 3 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna notabilis</i> | 0.4 | | 0.1 |
| <i>Senna symonii</i> | 0.5 | | 0.4 |
| <i>Seringia nephrosperma</i> | 0.4 | | 0.1 |
| <i>Sida cardiophylla</i> | 1 | | 0.2 |
| <i>Sida echinocarpa</i> | 1 | | 0.3 |

| | | |
|--|-----|-----|
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.1 | 0.1 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.2 | 0.1 |
| <i>Stylobasium spathulatum</i> | 1.5 | 3 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.8 | 1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.2 |
| <i>Triodia epactia</i> | 0.5 | 8 |
| <i>Triodia scintillans</i> | 0.2 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 0.3 |
| <i>Triumfetta chaetocarpa</i> | 0.1 | 0.1 |
| <i>Waltheria virgata</i> | 0.6 | 0.2 |

PHOTO



Site Name: WW96
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316566.462655898E 7614768.94976133N
 Community: HG1
 Landform Type: Undulating plain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.6 | | 0.15 |
| <i>Acacia colei</i> var. <i>colei</i> | 0.3 | | 0.1 |
| <i>Acacia robeorum</i> | 1 | | 0.5 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 6.2 | | 0.8 |
| <i>Gossypium australe</i> | 0.2 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.1 | | 0.1 |
| <i>Senna sericea</i> | 0.3 | | 0.1 |
| <i>Senna symonii</i> | 0.9 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.5 | | 4 |

| | | |
|------------------------|-----|---|
| <i>Triodia wiseana</i> | 0.3 | 9 |
|------------------------|-----|---|

PHOTO



Site Name: WW97
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 318130E 7611699N
 Community: HG1
 Landform Type: Lower Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: ENE
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia, Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 1 | | 0.7 |
| <i>Acacia robeorum</i> | 0.5 | | 0.1 |
| * <i>Aerva javanica</i> | 0.4 | 1 | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia ?linearis</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.3 | | 0.2 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.2 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.5 | | 0.1 |
| <i>Gossypium australe</i> | 0.6 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Hibiscus brachychlaenus</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Melhania oblongifolia</i> | 0.2 | 0.2 |
| <i>Paraneurachne muelleri</i> | 0.2 | 0.1 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.8 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.4 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.1 | 0.2 |
| <i>Sclerolaena costata</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.8 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | 0.6 |
| <i>Senna symonii</i> | 0.6 | 0.5 |
| <i>Sida cardiophylla</i> | 0.8 | 0.2 |
| <i>Sida echinocarpa</i> | 0.4 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.5 | 2 |
| <i>Triodia scintillans</i> | 0.2 | 26 |
| <i>Triodia wiseana</i> | 0.5 | 2 |

PHOTO



Site Name: WW98
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316522.3E 7614489.18N
 Community: HG7
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Pale brown (other)
 Soil Condition: Soil types = varies between sandy clay loam and clay loam throughout quadrat
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle activity
 Fire: ~5yrs

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus leucophloia* subsp. *leucophloia*
 Mid Stratum 1: *Acacia bivenosa*
 Lower Stratum 1: *Triodia epactia*
 Lower Stratum 2: *Chrysopogon fallax*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Acacia acradenia</i> | 2 | | 0.1 |
| <i>Acacia adsurgens</i> | 1.5 | | 1 |
| <i>Acacia bivenosa</i> | 1 | | 2 |
| <i>Acacia coleii</i> var. <i>coleii</i> | 2.5 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.4 | | 2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | 4 | | 2 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.5 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2.2 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.2 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Senna symonii</i> | 0.5 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.6 | 26 |
| <i>Triodia longiceps</i> | 0.5 | 0.3 |
| <i>Triodia scintillans</i> | 0.2 | 0.1 |
| <i>Triodia wiseana</i> | 0.3 | 0.1 |

PHOTO



Site Name: WW99
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313217E 7610782N
 Community: HG8
 Landform Type: Floodplain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: SSW
 Soil Type: Clayey Sand
 Soil Colour: Grey-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: <5yrs
 Comments: High cattle activity and area recently burnt

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: **Tribulus terrestris*
 Lower Stratum 2: *Eragrostis eriopoda*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.5 |
| <i>Arivela viscosa</i> | 0.4 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 35 | 0.5 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 3 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.8 | | 0.8 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | | 1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Ptilotus axillaris</i> | 0.1 | | 0.2 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.2 | | 0.2 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Swainsona decurrens</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 3 |
| <i>Triodia wiseana</i> | 0.2 | | 2 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WW100
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 316949.99E 7614389.61N
 Community: HG1
 Landform Type: Upper Slope
 Slope Class: Steep (23 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Light brown (other)
 Rock Outcrop: Metamorphised Granite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm, 2-6mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5yrs
 Comments: Quadrat straddles 3 landform types: Crest, Upper-slope and Mid-slope and as such has multiple slope class levels (GE, ST & VS)

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia arida</i> | 1.2 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.7 | | 0.1 |
| <i>Acacia robeorum</i> | 0.6 | | 0.1 |
| <i>Calytrix carinata</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.3 | | 0.1 |
| <i>Dampiera candidans</i> | 0.5 | | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | | 0.1 |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | | | |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 0.5 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.3 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 2 | 0.1 |
| <i>Senna symonii</i> | 0.7 | 0.1 |
| <i>Tribulus suberosus</i> | 0.8 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 3 |
| <i>Triodia scintillans</i> | 0.3 | 25 |
| <i>Triumfetta maconochieana</i> | 0.5 | 0.1 |

PHOTO



Site Name: WW101
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313120E 7610939N
 Community: HG7
 Landform Type: Low rise (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Light Clay
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Calcrete (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Calcrete, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: None
 Fire: >10/<5yrs
 Comments: Small patches of recently burnt vegetation in quadrat

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.2 | | 0.1 |
| <i>Acacia robeorum</i> | 1.6 | | 3 |
| <i>Acacia synchronicia</i> | 1.4 | | 0.4 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Dysphania sphaerosperma</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.3 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Salsola australis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Swainsona decurrens</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus minutus</i> (P1) | 0.1 | | 0.2 |
| <i>Triodia wiseana</i> | 0.4 | | 25 |

PHOTO



Site Name: WW102
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 318698.7E 7611945.23N
 Community: HG10
 Landform Type: Lower Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: WNW
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, Quartz (other), 2-10% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) | 0.7 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.2 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.7 | | 0.2 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Aristida contorta</i> | | | |
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 1 | | 2 |
| <i>Enneapogon polyphyllus</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.3 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 1 | | 0.1 |
| <i>Paspalidium rarum</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.5 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.5 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.7 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia densa</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 7 |

PHOTO



Site Name: WW103
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313135E 7610749N
 Community: HG8
 Landform Type: Floodplain (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clayey Sand
 Soil Colour: Light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Some cattle activity
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Eragrostis eriopoda, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| * <i>Aerva javanica</i> | 0.2 | 3 | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.3 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 7 | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.4 | | 2 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.6 |
| <i>Pluchea tetranthera</i> | 0.6 | | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.2 |
| <i>Triodia epactia</i> | 0.5 | | 0.2 |
| <i>Triodia wiseana</i> | 0.3 | | 25 |

PHOTO



Site Name: WW104
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 28/06/2020
 GPS Location: GDA94 Zone 51 318103.78E 7611976.18N
 Community: HG8
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Sandy Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 2-6mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.3 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 1 | | 0.1 |
| <i>Acacia trachycarpa</i> | 1.3 | | 1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 0.6 | | 0.1 |
| <i>Boerhavia burbidgeana</i> | 0.2 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| <i>Bonamia alatisemina</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 2.5 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.8 |
| <i>Crotalaria ramosissima</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.3 | | 0.1 |
| <i>Gossypium australe</i> | 0.7 | | 0.1 |
| <i>Hibiscus brachychlaenus</i> | 0.4 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Hibiscus leptocladus</i> | 0.3 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Senna notabilis</i> | 0.3 | | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.3 | | 0.1 |
| <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) | 0.1 | | 0.1 |
| <i>Trianthema pilosum</i> | 0.1 | | 0.1 |
| <i>Tribulopsis angustifolia</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Tribulus occidentalis</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 9 |
| <i>Triumfetta chaetocarpa</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WW105
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313061E 7610505N
 Community: HG4
 Landform Type: Floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: W
 Soil Type: Sandy Clay
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs
 Comments: High cattle activity and significant weed cover

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Hakea lorea* subsp. *lorea*
 Lower Stratum 1: **Cenchrus ciliaris*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia inaequilatera</i> | 0.4 | | 0.1 |
| <i>Acacia robeorum</i> | 1.5 | | 0.2 |
| <i>Acacia synchronicia</i> | 2.2 | | 0.8 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.1 | 3000 | 15 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Eragrostis dielsii</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3 | | 2 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.2 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.6 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | | 0.8 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|---|-----|
| <i>Ptilotus exaltatus</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.1 | | 0.2 |
| <i>Sclerolaena crenata</i> | 0.2 | | 0.2 |
| <i>Sida fibulifera</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.3 |
| <i>Triodia epactia</i> | 0.5 | | 1 |
| <i>Triodia wiseana</i> | 0.5 | | 11 |
| * <i>Vachellia farnesiana</i> | 1.8 | 3 | 0.5 |

PHOTO



Site Name: WW106
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313320.59E 7609812.42N
 Community: HG6
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Quartz, Colluvial, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle activity (tracks)
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia inaequilatera</i> | 3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Chrysopogon fallax</i> | 0.3 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.5 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.7 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.8 | 0.1 |
| <i>Sida echinocarpa</i> | 0.4 | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.4 | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 0.2 |
| <i>Triodia longiceps</i> | 0.7 | 30 |
| <i>Triodia wiseana</i> | 0.1 | 0.1 |

PHOTO



Site Name: WW107
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 312948E 7608820N
 Community: HG1
 Landform Type: Low rise (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Laterised Ironstone, Metamorphised Granite (other), Dolerite
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs
 Comments: NW corner passes through an area of disturbance with some minor species composition changes

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 1.5 | | 0.1 |
| <i>Acacia bivenosa</i> | 1.6 | | 0.2 |
| <i>Acacia robeorum</i> | 2.3 | | 5 |
| <i>Acacia trachycarpa</i> | 1.6 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 10 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Euphorbia clementii</i> (P3) | 0.1 | 1 | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.2 |
| <i>Heliotropium glabellum</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.2 |
| <i>Indigofera monophylla</i> | 0.5 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Ptilotus helipteroides</i> | 0.1 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.3 | 0.1 |
| <i>Sclerolaena costata</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | 0.8 |
| <i>Senna symonii</i> | 0.4 | 0.3 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | 0.1 | 0.1 |
| <i>Tinospora smilacina</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.2 |
| <i>Triodia scintillans</i> | 0.4 | 35 |
| <i>Triodia wiseana</i> | 0.5 | 0.1 |

PHOTO



Site Name: WW108
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313241E 7610076.49N
 Community: HG9
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm
 CF Types: Quartz, Colluvial, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Arivela viscosa</i> | 0.3 | | 0.1 |
| <i>Boerhavia burbridgeana</i> | 0.2 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Eragrostis dielsii</i> | 0.1 | | 0.1 |
| <i>Eremophea spinosa</i> | 0.2 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | 0.2 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.8 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.4 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | | 0.1 |
| <i>Sclerolaena crenata</i> | 0.2 | | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |

| | | | |
|-------------------------------|-----|--|-----|
| <i>Trianthema cusackianum</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Tribulus occidentalis</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1 | | 18 |

PHOTO



Site Name: WW109
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 312912E 7608299N
 Community: HG1
 Landform Type: Low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-orange (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz, Metamorphised Granite, Laterised Ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >10yrs
 Comments: One corner of the quadrat passes through a damp area

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia robeorum*
 Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 1.2 | | 0.1 |
| <i>Acacia robeorum</i> | 1.4 | | 6 |
| <i>Acacia synchronicia</i> | 1.3 | | 0.2 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 1 | 0.1 |
| <i>Dodonaea coriacea</i> | 0.1 | | 0.1 |
| <i>Eriachne aristidea</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Ptilotus helipteroides</i> | 0.1 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.1 | 0.3 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.2 | 0.4 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida echinocarpa</i> | 0.3 | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | 0.2 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.4 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 25 |
| <i>Triodia wiseana</i> | 0.5 | 0.1 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | 0.1 |

PHOTO



Site Name: WW110
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313267.544749649E 7610225.73328673N
 Community: S2
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia sclerosperma* subsp. *sclerosperma*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.1 | | 0.1 |
| <i>Acacia bivenosa</i> | 2 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3.2 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 4 | | 2 |
| <i>Acacia trachycarpa</i> | 2.5 | | 0.3 |
| <i>Achyranthes aspera</i> | 0.4 | | 0.1 |
| * <i>Aerva javanica</i> | 0.3 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 2.3 | | 0.2 |
| <i>Carissa lanceolata</i> | 2.2 | | 0.8 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 2 |
| <i>Chrysopogon fallax</i> | 0.8 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.1 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen lachnostachys</i> | 0.5 | | 0.1 |
| <i>Cullen martinii</i> | 0.6 | | 0.1 |

| | | | |
|---|-----|--|------|
| <i>Eremophila longifolia</i> | 2.4 | | 1.3 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3.3 | | 1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera linifolia</i> | 0.3 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.3 | | 0.1 |
| * <i>Malvastrum americanum</i> | 0.3 | | 0.1 |
| <i>Melhania oblongifolia</i> | 0.4 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.3 | | 0.12 |
| <i>Pluchea tetranthera</i> | 0.6 | | 0.2 |
| <i>Pterocaulon sphacelatum</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna notabilis</i> | 0.4 | | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.7 | | 0.1 |
| <i>Tephrosia supina</i> | 0.3 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1 | | 35 |
| * <i>Vachellia farnesiana</i> | 1.5 | | 0.1 |

PHOTO



Site Name: WW111
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313200E 7608378N
 Community: HG4
 Landform Type: Floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: S
 Soil Type: Clayey Sand
 Soil Colour: Light brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - Some cattle activity
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Pluchea tetranthera*
 Lower Stratum 2: **Cenchrus ciliaris, Triodia epactia*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 2 | | 0.2 |
| <i>Acacia robeorum</i> | 1.6 | | 0.1 |
| <i>Acacia synchronicia</i> | 0.8 | | 0.2 |
| <i>*Aerva javanica</i> | 0.5 | 10 | 0.2 |
| <i>Boerhavia burbridgeana</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>*Cenchrus ciliaris</i> | 0.2 | 800 | 8 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.5 | | 0.2 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 1 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.2 |
| <i>Pluchea tetranthera</i> | 0.7 | | 2 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Sclerolaena cornishiana</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.2 | | 0.2 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.2 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.5 | | 20 |
| <i>Triodia scintillans</i> | 0.3 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 1.5 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WW112
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313294.201936587E 7609445.02254752N
 Community: HG4
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 0%
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia synchronicia*
 Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.1 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 1.6 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 2 | | 0.1 |
| <i>Acacia synchronicia</i> | 2.9 | | 10 |
| <i>*Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.1 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | | | |
| <i>*Cenchrus ciliaris</i> | 0.3 | | 10 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen leucanthum</i> | 0.1 | | 0.1 |
| <i>Cyperus vaginatus</i> | 0.5 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3.4 | | 0.2 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera linifolia</i> | 0.1 | | 0.1 |

| | | | |
|--------------------------------|-----|--|-----|
| <i>Indigofera linnaei</i> | 0.1 | | 0.1 |
| * <i>Malvastrum americanum</i> | 0.1 | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.1 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |
| <i>Rhagodia eremaea</i> | | | |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Sclerolaena lanicuspis</i> | 0.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Trianthera triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 1 | | 12 |
| * <i>Vachellia farnesiana</i> | 2.2 | | 0.2 |

PHOTO



Site Name: WW113
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313353E 7608116N
 Community: HG1
 Landform Type: Low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Light Clay
 Soil Colour: Pink-brown (other)
 Rock Outcrop: Calcrete (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz, Calcrete, Laterised Ironstone, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.5 | | 0.3 |
| <i>Acacia robeorum</i> | 0.6 | | 0.4 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1.2 | | 0.4 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1 | | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.5 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.3 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.3 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |
| <i>Senna sericea</i> | 1.2 | | 0.1 |

| | | | |
|----------------------------|-----|--|------|
| <i>Senna symonii</i> | 0.6 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.2 | | 25 |
| <i>Triodia wiseana</i> | 0.4 | | 10.2 |

PHOTO



Site Name: WW114
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313001.2E 7609395.78N
 Community: HG6
 Landform Type: Plain
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Quartz, Colluvial, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.2 |
| <i>Chrysopogon fallax</i> | 0.3 | | 0.1 |
| <i>Eragrostis xerophila</i> | 0.2 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | | 0.1 |
| <i>Pluchea dentex</i> | 0.2 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.9 | | 0.2 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.7 | | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.4 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 0.1 |
| <i>Triodia longiceps</i> | 0.9 | | 30 |

PHOTO



Site Name: WW115
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 313014E 7607172N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: NW
 Soil Type: Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: River stones (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs
 Comments: Channel is inundated with standing water (flowing in a few areas within the quadrat) with dense *Typha domingensis*

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix*
 Upper Stratum 2: *Atalaya hemiglauca*
 Mid Stratum 1: *Melaleuca glomerata*
 Mid Stratum 2: *Cyperus vaginatus*, *Typha domingensis*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | 0.5 | | 0.2 |
| <i>Abutilon otocarpum</i> | 0.2 | | 0.2 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 3.5 | | 0.3 |
| <i>Acacia hilliana</i> | 0.1 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 1.3 | | 0.1 |
| <i>Acacia trachycarpa</i> | 3.5 | | 1.5 |
| <i>Achyranthes aspera</i> | 0.3 | | 0.2 |
| * <i>Aerva javanica</i> | 0.1 | 6 | 0.1 |

| | | | |
|---|-----|-------|------|
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Ammannia baccifera</i> | 0.3 | | 0.1 |
| <i>Amyema sanguinea</i> var. <i>sanguinea</i> | | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 5 | | 7 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 0.6 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.1 | 20000 | 21.5 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen leucanthum</i> | 0.7 | | 0.1 |
| * <i>Cynodon dactylon</i> | 0.1 | | 0.5 |
| <i>Cyperus vaginatus</i> | 1.5 | | 25 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 14 | | 25 |
| <i>Eucalyptus victrix</i> | 13 | | 15 |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.6 | | 0.1 |
| <i>Haloragis gossei</i> var. <i>gossei</i> | 0.1 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.8 |
| <i>Lobelia arnhemiaca</i> | | | 0.5 |
| * <i>Malvastrum americanum</i> | 0.4 | | 0.1 |
| <i>Melaleuca glomerata</i> | 5 | | 12 |
| <i>Najas marina</i> | 0.1 | | 1.5 |
| <i>Nicotiana benthamiana</i> | 0.1 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.1 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Potamogeton tepperi</i> | 0.1 | | 0.2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Schoenoplectus subulatus</i> | 0.1 | | 1 |
| <i>Sesbania cannabina</i> | 0.1 | | 0.2 |
| * <i>Setaria verticillata</i> | 0.1 | | 0.1 |
| <i>Sida fibulifera</i> | 0.1 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | | 0.1 |
| * <i>Solanum nigrum</i> | 0.8 | | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.4 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Typha domingensis</i> | 3 | | 10 |
| * <i>Vachellia farnesiana</i> | 1 | 3 | 0.3 |
| <i>Vigna lanceolata</i> var. <i>lanceolata</i> | | | 0.2 |

PHOTO



Site Name: WW116
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313314.91E 7608855.7N
 Community: HG2
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Quartz, Colluvial, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia synchronicia</i> | 3.2 | | 0.6 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eragrostis eriopoda</i> | 0.1 | | 0.1 |
| <i>Eremophea spinosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.2 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.1 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.5 | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum cleistogamum</i> | 0.3 | | 0.1 |

| | | | |
|---------------------------------|-----|--|-----|
| <i>Solanum lasiophyllum</i> | 0.6 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia wiseana</i> | 0.4 | | 20 |

PHOTO



Site Name: WW117
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 313129E 7607270N
 Community: W2
 Landform Type: Floodplain (other)
 Slope Class: Very Gently Inclined (1 degree)
 Aspect: SW
 Soil Type: Clayey Sand
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Quartz, Metamorphised Granite, Laterised Ironstone (other)
 Vegetation Condition: Northern Vegetation Condition - P - Poor
 Disturbance: Exotic Weeds, Animal Disturbance - High cattle activity
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia trachycarpa, Atalaya hemiglauca*
 Mid Stratum 2: *Acacia pyrifolia var. morrisonii*
 Lower Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*, *Triodia wiseana*
 Lower Stratum 2: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 1.4 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 2.4 | | 4.2 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 1 | | 0.1 |
| <i>Acacia trachycarpa</i> | 3 | | 20 |
| * <i>Aerva javanica</i> | 0.3 | 150 | 0.8 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 3.8 | | 2 |
| <i>Boerhavia burbidgeana</i> | 0.1 | | 0.4 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 2000 | 10 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 2 |

| | | | |
|---|-----|---|-----|
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.2 | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen stipulaceum</i> | | | |
| <i>Eriachne obtusa</i> | 0.2 | | 0.1 |
| <i>Eucalyptus victrix</i> | 12 | | 1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.2 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 1 | | 0.4 |
| <i>Petalostylis labicheoides</i> | 3 | | 1 |
| <i>Pluchea dentex</i> | 0.1 | | 0.1 |
| <i>Pluchea rubelliflora</i> | 0.6 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.3 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.2 |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | 0.1 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Senna notabilis</i> | 0.5 | | 0.2 |
| <i>Solanum phlomoides</i> | 0.3 | | 0.3 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.5 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.8 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.5 |
| <i>Triodia wiseana</i> | 0.5 | | 15 |
| * <i>Vachellia farnesiana</i> | 0.8 | 1 | 0.1 |

PHOTO



Site Name: WW118
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313176.23E 7608965.39N
 Community: HG4
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Soil Condition: Soil types varies between sandy clay loam and clay loam throughout the quadrat
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm
 CF Types: Quartz, Colluvial, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Triodia longiceps*
 Lower Stratum 1: **Cenchrus ciliaris*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia robeorum</i> | 1.8 | | 0.1 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 2.3 | | 0.1 |
| <i>Acacia synchronicia</i> | 3.6 | | 1 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| * <i>Calotropis procera</i> | | 2 | |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 5 |
| <i>Eragrostis dielsii</i> | 0.1 | | 0.1 |
| <i>Eragrostis falcata</i> | 0.2 | | 0.1 |
| <i>Eremophea spinosa</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.3 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.1 | | 0.1 |
| <i>Lepidium ?pholidogynum</i> | 0.1 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.6 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | 0.3 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.1 | | 0.1 |
| <i>Sclerolaena crenata</i> | 0.1 | | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Streptoglossa decurrens</i> | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 1 |
| <i>Triodia longiceps</i> | 1.2 | | 8 |
| <i>Triodia wiseana</i> | 0.3 | | 0.6 |

PHOTO



Site Name: WW119
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 313207E 7607594N
 Community: HG8
 Landform Type: Low rise (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Light Clay
 Soil Colour: Orange (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz, Laterised Ironstone, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia arida*, *Acacia pyriformis* var. *morrisonii*

Lower Stratum 1: *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | 0.1 | | 0.1 |
| <i>Acacia arida</i> | 2 | | 23 |
| <i>Acacia pyriformis</i> var. <i>morrisonii</i> | 2 | | 3.8 |
| <i>Acacia robeorum</i> | 2 | | 0.3 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 2 | | 0.2 |
| <i>Anthobolus leptomerioides</i> | 1.3 | | 0.3 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | 2 | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.1 | | 0.2 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |

| | | |
|--|-----|-----|
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.2 |
| <i>Pluchea tetranthera</i> | 0.2 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Sclerolaena costata</i> | 0.2 | 0.2 |
| <i>Sclerolaena densiflora</i> | 0.3 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.1 | 0.2 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | 0.3 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida echinocarpa</i> | 0.1 | 0.1 |
| <i>Solanum diversiflorum</i> | 0.1 | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.6 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.2 |
| <i>Trianthema triquetrum</i> | 0.1 | 0.2 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 2 |
| <i>Triodia wiseana</i> | 0.4 | 13 |

PHOTO



Site Name: WW120
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 29/06/2020
 GPS Location: GDA94 Zone 51 313986.22E 7608058.43N
 Community: HG9
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown/white (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Calcrete/Gypsum (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia angusta*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|------------------------------------|-------------|-------------|-------------|
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Eremophea spinosa</i> | 0.1 | | 0.1 |
| <i>Lawrenzia densiflora</i> | 0.1 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.5 | | 0.2 |
| <i>Ptilotus axillaris</i> | 0.1 | | 0.1 |
| <i>Sporobolus actinocladus</i> | 0.1 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Trianthema cusackianum</i> | 0.1 | | 0.1 |
| <i>Triodia angusta</i> | 0.5 | | 4 |
| <i>Triodia longiceps</i> | 0.7 | | 1 |

PHOTO



Site Name: WW121
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 319805E 7609038N
 Community: HG10
 Landform Type: Crest
 Slope Class: Steep (23 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolerite, >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: <5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*, *Indigofera monophylla*
 Lower Stratum 2: *Triodia brizoides*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon otocarpum</i> | 0.1 | | 0.2 |
| <i>Acacia inaequilatera</i> | 2 | | 0.5 |
| * <i>Aerva javanica</i> | 0.5 | 150 | 1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.4 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 15 |
| <i>Cucumis variabilis</i> | | | 1.2 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon lindleyanus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.3 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.2 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Gossypium australe</i> | 1.5 | 0.8 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 1.2 | 0.2 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Heliotropium glabellum</i> | 0.1 | 0.1 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.2 |
| <i>Hibiscus coatesii</i> | 0.1 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.4 | 0.1 |
| <i>Indigofera monophylla</i> | 0.4 | 2 |
| <i>Paspalidium rarum</i> | 0.1 | 0.1 |
| <i>Polycarpaea holtzei</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.3 |
| <i>Ptilotus clementii</i> | 0.1 | 0.1 |
| <i>Ptilotus helipteroides</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 1 | 0.8 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | 0.2 |
| <i>Sida echinocarpa</i> | 0.6 | 0.4 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tephrosia densa</i> | 0.5 | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.3 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia brizoides</i> | 0.3 | 6 |

PHOTO



Site Name: WW122
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 313554.3E 7607230.88N
 Community: W2
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial, Calcareous (other)
 Vegetation Condition: Northern Vegetation Condition - G - Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >10yrs
 Comments: Water covers ~10 % of quadrat

DOMINANT TAXA IN VEGETATION STRATA

Upper Stratum 1: *Eucalyptus camaldulensis* subsp. *refulgens*, *Eucalyptus victrix*
 Upper Stratum 2: *Atalaya hemiglauca*
 Mid Stratum 1: *Melaleuca glomerata*
 Lower Stratum 1: *Cyperus vaginatus*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | 0.3 | | 0.1 |
| <i>Acacia ampliceps</i> | 0.8 | | 0.1 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 2.2 | | 0.1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | 2 | | 0.1 |
| <i>Acacia trachycarpa</i> | 2.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Amaranthus undulatus</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 6 | | 3 |
| <i>Boerhavia burbidgeana</i> | 0.2 | | 0.1 |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | 0.8 | | 0.1 |
| <i>Carissa lanceolata</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>*Cenchrus ciliaris</i> | 0.2 | | 1.5 |
| <i>*Citrullus amarus</i> | | | 0.1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen leucanthum</i> | 0.3 | | 0.1 |
| <i>Cyperus vaginatus</i> | 1 | | 15 |
| <i>*Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 0.3 | | 0.1 |
| <i>Diplachne fusca</i> subsp. <i>fusca</i> | | | |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | 16 | | 3 |
| <i>Eucalyptus victrix</i> | 10 | | 3 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.3 | | 0.1 |
| <i>Ipomoea muelleri</i> | | | 0.1 |
| <i>Lobelia arnhemiaca</i> | | | 0.3 |
| <i>*Malvastrum americanum</i> | 0.1 | | 0.1 |
| <i>Melaleuca glomerata</i> | 5 | | 20 |
| <i>Najas marina</i> | | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.4 | | 0.1 |
| <i>Polymeria mollis</i> | 0.1 | | 0.1 |
| <i>Schoenoplectus subulatus</i> | 1 | | 0.1 |
| <i>Senna notabilis</i> | 0.7 | | 0.1 |
| <i>Sesbania cannabina</i> | 0.5 | | 0.1 |
| <i>Solanum horridum</i> | 0.1 | | 0.1 |
| <i>*Trianthema portulacastrum</i> | 0.1 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia longiceps</i> | 0.7 | | 0.1 |
| <i>Typha domingensis</i> | 2 | | 0.1 |
| <i>*Vachellia farnesiana</i> | 0.4 | | 0.1 |
| <i>Vigna lanceolata</i> var. <i>lanceolata</i> | | | 0.1 |

PHOTO



Site Name: WW123
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 01/07/2020
 GPS Location: GDA94 Zone 51 319249E 7611392N
 Community: HG10
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NE
 Soil Type: Sandy Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Dolerite, <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Indigofera monophylla*
 Lower Stratum 2: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia ancistrocarpa</i> | 0.6 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.4 | | 4 |
| <i>Afrohybanthus aurantiacus</i> | 0.5 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 1 |
| <i>Enneapogon caerulescens</i> | 0.1 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Fimbristylis simulans</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 1.3 | 0.3 |
| <i>Heliotropium tenuifolium</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.6 | 7 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus axillaris</i> | 0.1 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | 0.3 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.7 | 0.3 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 35 |

PHOTO



Site Name: WW124
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 314063.23E 7607173.99N
 Community: HG7
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: No bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Animal Disturbance - Cattle activity
 Fire: <5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans, Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 0.5 | | 0.1 |
| <i>Acacia robeorum</i> | 0.3 | | 0.1 |
| <i>Alysicarpus muelleri</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.1 | | 0.1 |
| <i>Eragrostis desertorum</i> | 0.3 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Heliotropium chrysocarpum</i> | 0.3 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Ptilotus axillaris</i> | | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.4 | | 0.1 |
| <i>Senna notabilis</i> | 0.1 | | 0.1 |
| <i>Senna symonii</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 2 |
| <i>Triodia wiseana</i> | 0.3 | | 10 |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | 0.1 | | 0.1 |

PHOTO



Site Name: WW125
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 01/07/2020
 GPS Location: GDA94 Zone 51 319076E 7611667N
 Community: HG10
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Orange-brown (other)
 Rock Outcrop: Metamorphised Granite, Dolerite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10 yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia inaequilatera*
 Lower Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*
 Lower Stratum 2: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Abutilon otoparum</i> | 0.1 | | 0.1 |
| <i>Acacia inaequilatera</i> | 3 | | 3 |
| * <i>Aerva javanica</i> | 0.4 | 12 | 0.5 |
| <i>Afrohybanthus aurantiacus</i> | 0.2 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.2 |
| <i>Arivela viscosa</i> | 0.3 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.2 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 15 |
| <i>Cymbopogon ambiguus</i> | 0.4 | | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.1 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |

| | | |
|---|-----|-----|
| <i>Goodenia microptera</i> | 0.1 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 0.5 | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 3.5 | 1 |
| <i>Heliotropium crispatum</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.3 | 0.5 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.2 |
| <i>Ptilotus auriculifolius</i> | 0.1 | 0.1 |
| <i>Ptilotus calostachyus</i> | 0.1 | 0.1 |
| <i>Ptilotus clementii</i> | 0.2 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.1 | 0.1 |
| <i>Ptilotus fusiformis</i> | 0.1 | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.1 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.7 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1.5 | 0.2 |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | 0.5 | 0.2 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | 0.2 |
| <i>Trigastrotheca molluginea</i> | 0.1 | 0.1 |
| <i>Triodia epactia</i> | 0.3 | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | 15 |

PHOTO



Site Name: WW126
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 314001.61E 7607274.38N
 Community: HG8
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Calcrete (other), <2% bedrock exposed
 CF Abundance: 2-10%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Triodia angusta*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 3.2 | | 0.2 |
| <i>Acacia trachycarpa</i> | 1.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Atalaya hemiglauca</i> | 1.3 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Capparis umbonata</i> | 1 | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.3 | | 0.6 |
| <i>Chrysopogon fallax</i> | 0.3 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.4 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 5 | | 0.2 |
| <i>Eragrostis eriopoda</i> | 0.2 | | 0.1 |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.4 | | 0.2 |
| <i>Heliotropium chrysocarpum</i> | 0.2 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Indigofera colutea</i> | 0.1 | | 0.1 |
| <i>Indigofera monophylla</i> | 0.8 | | 0.1 |
| <i>Indigofera trita</i> subsp. <i>trita</i> | 0.1 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.2 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | | 0.1 |
| <i>Sclerolaena costata</i> | 0.2 | | 0.1 |
| <i>Sida fibulifera</i> | 0.2 | | 0.1 |
| <i>Solanum lasiophyllum</i> | 0.4 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia supina</i> | 0.1 | | 0.2 |
| <i>Trianthera triquetrum</i> | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Triodia angusta</i> | 1.2 | | 20 |
| <i>Triodia epactia</i> | 0.4 | | 0.5 |
| <i>Triodia wiseana</i> | 0.4 | | 0.2 |

PHOTO



Site Name: WW128
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 313679.2E 7607621.68N
 Community: HG6
 Landform Type: Plain
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), <2% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia longiceps*
 Lower Stratum 2: *Triodia epactia*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia arida</i> | 2.5 | | 0.3 |
| <i>Acacia inaequilatera</i> | 4.1 | | 0.3 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.8 | | 0.1 |
| <i>Cynodon prostratus</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.4 | | 0.1 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | 0.3 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.4 | | 0.1 |
| <i>Pluchea tetranthera</i> | 0.5 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.4 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |

| | | | |
|------------------------------|-----|--|-----|
| <i>Stemodia grossa</i> | 0.4 | | 0.1 |
| <i>Trianthena triquetrum</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.3 | | 2 |
| <i>Triodia longiceps</i> | 0.7 | | 10 |
| <i>Triodia wiseana</i> | 0.4 | | 8 |

PHOTO



Site Name: WW130
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 313569.32E 7607838.22N
 Community: HG6
 Landform Type: Undulating plain (other)
 Slope Class: Gently Inclined (3 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Pale brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: 10-20%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia angusta, Triodia longiceps*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| * <i>Aerva javanica</i> | 0.2 | | 0.1 |
| <i>Cassytha capillaris</i> | | | 0.1 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.9 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.3 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 2.1 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 0.7 | | 0.6 |
| <i>Pluchea tetranthera</i> | 0.5 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.3 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.4 | | 0.1 |
| <i>Trianthema triquetrum</i> | 0.1 | | 0.1 |

| | | |
|--------------------------|-----|----|
| <i>Triodia angusta</i> | 0.7 | 5 |
| <i>Triodia longiceps</i> | 0.8 | 13 |

PHOTO



Site Name: WW132
 Site Type: QUADRAT
 Dimensions: 25m x 100m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 313866.7E 7608025.71N
 Community: HG4
 Landform Type: Flat
 Slope Class: Level (0 degrees)
 Soil Type: Clay Loam
 Soil Colour: Grey-brown (other)
 Rock Outcrop: No bedrock exposed
 CF Abundance: <2%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Calcrete (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds, Animal Disturbance - Cattle activity
 Fire: >5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia sclerosperma* subsp. *sclerosperma*

Mid Stratum 2: *Triodia angusta*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|---|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | 4.6 | | 0.2 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | 2.7 | | 3 |
| <i>Anthobolus leptomerioides</i> | | | |
| <i>Atalaya hemiglauca</i> | 1.7 | | 0.7 |
| <i>Cassytha capillaris</i> | | | 0.2 |
| * <i>Cenchrus ciliaris</i> | 0.2 | | 0.1 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | 0.3 | | 0.1 |
| <i>Corymbia hamersleyana</i> | 7.8 | | 1 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Cullen pogonocarpum</i> | 0.1 | | 0.1 |
| <i>Cynodon convergens</i> | 0.1 | | 0.1 |
| <i>Dactyloctenium radulans</i> | 0.1 | | 0.1 |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | 0.2 | | 0.1 |
| <i>Euphorbia trigonosperma</i> | 0.2 | | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |

| | | | |
|--|-----|--|-----|
| <i>*Malvastrum americanum</i> | 0.1 | | 0.1 |
| <i>Notoleptopus decaisnei</i> | 0.1 | | 0.1 |
| <i>Petalostylis labicheoides</i> | 2 | | 0.1 |
| <i>Phyllanthus maderaspatensis</i> | 0.3 | | 0.1 |
| <i>Pluchea ferdinandi-muelleri</i> | 1.2 | | 0.3 |
| <i>Pluchea rubelliflora</i> | 0.3 | | 0.1 |
| <i>Polymeria mollis</i> | 0.2 | | 0.1 |
| <i>Rhynchosia minima</i> | | | 0.1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | 0.4 | | 0.1 |
| <i>Sida fibulifera</i> | 0.3 | | 0.2 |
| <i>Solanum horridum</i> | 0.2 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Stemodia grossa</i> | 0.8 | | 0.1 |
| <i>Triodia angusta</i> | 1.1 | | 20 |
| <i>Triodia wiseana</i> | 0.4 | | 0.1 |

PHOTO



Site Name: WW134
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 30/06/2020
 GPS Location: GDA94 Zone 51 319986.2E 7609121.83N
 Community: HG10
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: W
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Metamorphised Granite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Metamorphised Granite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: ~5yrs
 Comments: Quadrat straddles crest and upper-slope

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Corchorus lasiocarpus* subsp. *lasiocarpus*
 Lower Stratum 1: *Triodia epactia*, *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon lepidum</i> | 0.1 | | 0.1 |
| <i>Acacia inaequilatera</i> | 3 | | 0.2 |
| <i>Acacia ptychophylla</i> | 0.8 | | 0.1 |
| <i>Aristida contorta</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.2 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 1 | | 2 |
| <i>Cucumis variabilis</i> | | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Euphorbia careyi</i> | 0.2 | | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.2 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.4 | | 0.1 |
| <i>Gossypium australe</i> | 1.4 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Heliotropium cunninghamii</i> | 0.1 | | 0.1 |
| <i>Hibiscus coatesii</i> | 0.4 | | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.2 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.3 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.2 | | 0.1 |
| <i>Ptilotus clementii</i> | 0.1 | | 0.1 |
| <i>Salsola australis</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | 1.5 | | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.9 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.2 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 3 |
| <i>Triodia scintillans</i> | 0.3 | | 2 |

PHOTO



Site Name: WW136
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 01/07/2020
 GPS Location: GDA94 Zone 51 319464.27E 7610918.59N
 Community: HG10
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: NE
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite, Quartz (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 2-6mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: <5yrs

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 0.6 | | 0.1 |
| <i>Acacia bivenosa</i> | 0.6 | | 0.1 |
| <i>Acacia inaequilatera</i> | 2.5 | | 0.2 |
| <i>Aristida contorta</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.1 | | 0.1 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Bulbostylis barbata</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.6 | | 0.1 |
| <i>Enneapogon polyphyllus</i> | 0.1 | | 0.1 |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | 0.1 | | 0.1 |
| <i>Fimbristylis dichotoma</i> | 0.1 | | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Gossypium australe</i> | 0.6 | | 0.1 |
| <i>Heliotropium crispatum</i> | 0.1 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Indigofera monophylla</i> | 0.4 | | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.1 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.6 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | | 0.1 |
| <i>Sida echinocarpa</i> | 0.3 | | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | | 0.1 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 12 |

PHOTO



Site Name: WW138
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 01/07/2020
 GPS Location: GDA94 Zone 51 319575.6E 7610751.3N
 Community: HG1
 Landform Type: Other, Undulating Plain (other)
 Slope Class: Moderately Inclined (10 degrees)
 Aspect: N
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolerite/Calcareous (other), <2% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: ~5yrs
 Comments: Quadrat straddles plain and simple-slope formations (ranges in slope class between GE and MO)

DOMINANT TAXA IN VEGETATION STRATA

Lower Stratum 1: *Triodia scintillans*, *Triodia wiseana*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia bivenosa</i> | 1.2 | | 0.2 |
| <i>Acacia robeorum</i> | 2.2 | | 0.3 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.4 | | 0.1 |
| <i>Enneapogon caeruleus</i> | 0.1 | | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | | 0.1 |
| <i>Goodenia stobbsiana</i> | 0.1 | | 0.1 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | 0.6 | | 0.1 |
| <i>Ptilotus astrolasius</i> | 0.4 | | 0.1 |
| <i>Sclerolaena cornishiana</i> | 0.2 | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.5 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | 1.3 | | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 0.5 | | 0.1 |
| <i>Senna symonii</i> | 1.7 | | 0.1 |

| | | | |
|---|-----|--|-----|
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | | 0.1 |
| <i>Tribulus hirsutus</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia scintillans</i> | 0.3 | | 8 |
| <i>Triodia wiseana</i> | 0.5 | | 12 |

PHOTO



Site Name: WW140
 Site Type: QUADRAT
 Dimensions: 12.5m x 200m
 Survey Date: 01/07/2020
 GPS Location: GDA94 Zone 51 319619.22E 7609039.21N
 Community: W1
 Landform Type: Drainage Line
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Soil Condition: Course sand within the creek-bed (atop the clay loam)
 Rock Outcrop: Dolerite, 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Quartz, Colluvial (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Grazing
 Fire: <5yrs

DOMINANT TAXA IN VEGETATION STRATA

Mid Stratum 1: *Acacia ancistrocarpa*, *Gossypium australe*
 Lower Stratum 1: *Chrysopogon fallax*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618) | 1.1 | | 0.1 |
| <i>Acacia ancistrocarpa</i> | 2 | | 5 |
| <i>Acacia bivenosa</i> | 0.8 | | 0.1 |
| <i>Acacia inaequilatera</i> | 0.9 | | 0.1 |
| <i>Acacia ptychophylla</i> | 0.2 | | 0.1 |
| * <i>Aerva javanica</i> | 0.1 | | 0.1 |
| <i>Afrohybanthus aurantiacus</i> | 0.3 | | 0.1 |
| <i>Aristida contorta</i> | 0.1 | | 0.1 |
| <i>Aristida holathera</i> var. <i>holathera</i> | 0.1 | | 0.1 |
| <i>Arivela viscosa</i> | 0.8 | | 1 |
| <i>Atalaya hemiglauca</i> | 0.9 | | 0.2 |
| <i>Boerhavia coccinea</i> | 0.1 | | 0.1 |
| <i>Bonamia pilbarensis</i> | 0.1 | | 0.1 |
| <i>Carissa lanceolata</i> | 1.2 | | 0.2 |

| | | |
|---|-----|-----|
| * <i>Cenchrus ciliaris</i> | 0.2 | 0.1 |
| <i>Chrysopogon fallax</i> | 0.4 | 4 |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | 0.9 | 0.3 |
| <i>Corymbia hamersleyana</i> | 5.8 | 0.5 |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | 0.1 | 0.1 |
| <i>Cymbopogon ambiguus</i> | 0.4 | 0.1 |
| <i>Dolichocarpa crouchiana</i> | 0.2 | 0.1 |
| <i>Dysphania ?kalpari</i> | 0.1 | 0.1 |
| <i>Eriachne mucronata</i> | 0.3 | 0.1 |
| <i>Eriachne tenuiculmis</i> | 0.3 | 0.1 |
| <i>Euphorbia careyi</i> | 0.2 | 0.1 |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | 0.1 | 0.1 |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | 0.1 | 0.1 |
| <i>Gomphrena cunninghamii</i> | 0.1 | 0.1 |
| <i>Goodenia microptera</i> | 0.2 | 0.1 |
| <i>Goodenia muelleriana</i> | 0.1 | 0.1 |
| <i>Gossypium australe</i> | 2.4 | 3 |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | 3.8 | 0.1 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | 2 | 0.2 |
| <i>Heliotropium cunninghamii</i> | 0.1 | 0.1 |
| <i>Hibiscus coatesii</i> | 0.6 | 0.1 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | 0.3 | 0.1 |
| <i>Indigofera colutea</i> | 0.1 | 0.1 |
| <i>Indigofera monophylla</i> | 0.5 | 0.2 |
| <i>Melhania oblongifolia</i> | 0.1 | 0.1 |
| <i>Paraneurachne muelleri</i> | 0.3 | 0.1 |
| <i>Pluchea tetranthera</i> | 0.4 | 0.1 |
| <i>Polycarpaea longiflora</i> | 0.1 | 0.1 |
| <i>Portulaca oleracea</i> | 0.1 | 0.1 |
| <i>Ptilotus auriculifolius</i> | 0.3 | 0.1 |
| <i>Ptilotus exaltatus</i> | 0.2 | 0.1 |
| <i>Rhynchosia minima</i> | | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | 0.7 | 0.1 |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | 0.3 | 0.1 |
| <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> | 1 | 0.1 |
| <i>Senna notabilis</i> | 0.1 | 0.1 |
| <i>Sida echinocarpa</i> | 0.5 | 0.1 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | 0.3 | 0.1 |
| <i>Solanum horridum</i> | 0.1 | 0.1 |
| <i>Solanum phlomoides</i> | 0.3 | 0.1 |
| <i>Sporobolus australasicus</i> | 0.1 | 0.1 |
| <i>Stemodia grossa</i> | 0.1 | 0.1 |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | 0.1 | 0.1 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | 0.6 | 0.4 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | 0.1 | 0.1 |

| | | | |
|----------------------------------|-----|--|-----|
| <i>Themeda triandra</i> | 0.3 | | 1 |
| <i>Tribulus hirsutus</i> | 0.2 | | 0.1 |
| * <i>Tribulus terrestris</i> | 0.1 | | 0.1 |
| <i>Trigastrotheca molluginea</i> | 0.1 | | 0.1 |
| <i>Triodia epactia</i> | 0.4 | | 0.2 |
| <i>Triodia scintillans</i> | 0.3 | | 0.1 |
| <i>Triumfetta chaetocarpa</i> | 0.3 | | 0.1 |

PHOTO



Site Name: WW-R01
 Site Type: RELEVE
 Survey Date: 27/06/2020
 GPS Location: GDA94 Zone 51 313902.65E 7615729.2N
 Landform Type: Drainage Line
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good

DOMINANT TAXA IN VEGETATION STRATA

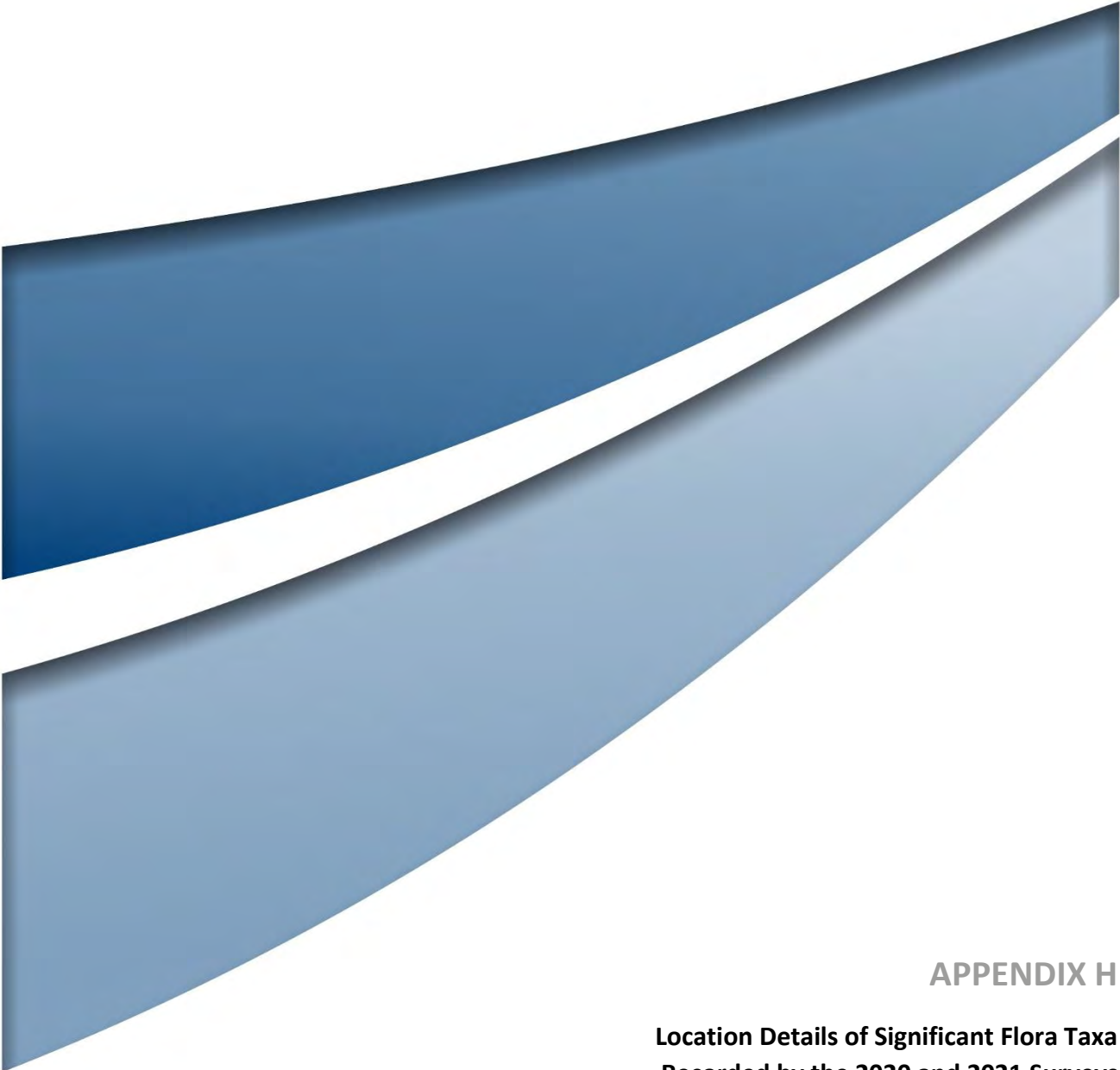
Upper Stratum 1: *Corymbia candida* subsp. *dipsodes*, *Corymbia hamersleyana*
 Upper Stratum 2: *Atalaya hemiglauca*
 Mid Stratum 1: *Acacia coriacea* subsp. *pendens*, *Grevillea wickhamii* subsp. *hispidula*

SPECIES LIST

| Taxon Name | Avg. Height | Count Alive | Cover Alive |
|--|-------------|-------------|-------------|
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | | | |
| * <i>Aerva javanica</i> | | | |
| <i>Atalaya hemiglauca</i> | | | |
| <i>Cajanus cinereus</i> | | | |
| * <i>Cenchrus ciliaris</i> | | | |
| <i>Chrysopogon fallax</i> | | | |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | | | |
| <i>Corymbia hamersleyana</i> | | | |
| <i>Gossypium australe</i> | | | |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | | | |
| <i>Heliotropium chrysocarpum</i> | | | |
| <i>Pluchea dentex</i> | | | |
| <i>Ptilotus axillaris</i> | | | |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | | | |
| <i>Themeda triandra</i> | | | |
| <i>Trianthema pilosum</i> | | | |
| <i>Triodia epactia</i> | | | |
| <i>Triumfetta chaetocarpa</i> | | | |

PHOTO





APPENDIX H

**Location Details of Significant Flora Taxa
Recorded by the 2020 and 2021 Surveys**

**GOVERNMENT AGENCY REFERENCE ONLY
NOT FOR PUBLIC DISSEMINATION
CONTAINS LOCATIONS OF SIGNIFICANT FLORA TAXA**

Note: all locations in GDA2020, Zone 51.

PU = Potentially undescribed.

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--------------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290767 | 7639600 | | 500 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290779 | 7639622 | | 1,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290804 | 7639548 | | 1,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290824 | 7639655 | | 1,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290834 | 7640399 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290837 | 7640402 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290841 | 7639627 | | 1,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290842 | 7640593 | | 70 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290842 | 7639669 | | 500 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290846 | 7639694 | | 200 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290860 | 7639727 | | 500 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290867 | 7640687 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290870 | 7640739 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290874 | 7639755 | | 100 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290876 | 7640801 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290879 | 7639791 | | 200 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290884 | 7639832 | | 200 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290886 | 7639865 | | 150 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290888 | 7639901 | | 300 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290894 | 7639964 | | 200 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290897 | 7639937 | | 450 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290908 | 7639709 | | 500 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290926 | 7640007 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290926 | 7640154 | | 55 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290940 | 7639792 | | 500 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290948 | 7639866 | | 500 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290955 | 7640245 | | 100 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290960 | 7640840 | | 100 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290961 | 7639948 | | 100 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 290971 | 7640784 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 291071 | 7640694 | | 200 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 291107 | 7640624 | | 200 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 291214 | 7640393 | | 5,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 291277 | 7639880 | | 1,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 291287 | 7639846 | | 1,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 291296 | 7639831 | | 1,000 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 291314 | 7639811 | | 1,000 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 291336 | 7639789 | | 1,000 |
| <i>Corchorus aff. incanus</i> | PU | 291363 | 7640125 | | 22 |
| <i>Corchorus aff. incanus</i> | PU | 291384 | 7639851 | | 1,000 |
| <i>Corchorus aff. incanus</i> | PU | 291396 | 7639811 | | 1,000 |
| <i>Corchorus aff. incanus</i> | PU | 291397 | 7639891 | | 300 |
| <i>Corchorus aff. incanus</i> | PU | 291404 | 7639951 | | 600 |
| <i>Corchorus aff. incanus</i> | PU | 291405 | 7639773 | | 1,000 |
| <i>Corchorus aff. incanus</i> | PU | 291408 | 7639992 | | 300 |
| <i>Corchorus aff. incanus</i> | PU | 305054 | 7605409 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 305198 | 7604750 | | 800 |
| <i>Corchorus aff. incanus</i> | PU | 305245 | 7603219 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 305969 | 7601533 | | 4,000 |
| <i>Corchorus aff. incanus</i> | PU | 306055 | 7605169 | | 600 |
| <i>Corchorus aff. incanus</i> | PU | 306125 | 7605046 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 306168 | 7605725 | | 300 |
| <i>Corchorus aff. incanus</i> | PU | 306223 | 7605368 | | 600 |
| <i>Corchorus aff. incanus</i> | PU | 306420 | 7605405 | | 1,000 |
| <i>Corchorus aff. incanus</i> | PU | 306470 | 7605998 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 306594 | 7604479 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 306676 | 7605414 | | 2,000 |
| <i>Corchorus aff. incanus</i> | PU | 306702 | 7605450 | | 300 |
| <i>Corchorus aff. incanus</i> | PU | 306998 | 7604443 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 307291 | 7604773 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 307318 | 7604417 | | 500 |
| <i>Corchorus aff. incanus</i> | PU | 307381 | 7604212 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 307387 | 7604341 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 307637 | 7604179 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 307657 | 7604173 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 308713 | 7603104 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 308745 | 7603439 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 308750 | 7603198 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 308758 | 7603395 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 308761 | 7603437 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 308786 | 7603403 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 308804 | 7603251 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 308821 | 7603274 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 308829 | 7603203 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 308893 | 7603195 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 308991 | 7602780 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 308994 | 7602409 | | 50 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 308997 | 7602426 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 309004 | 7602844 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 309010 | 7602456 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 309015 | 7602700 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 309963 | 7601950 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 309993 | 7601876 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 310043 | 7601916 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 310181 | 7602167 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 310318 | 7602033 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 311787 | 7614918 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 311990 | 7620191 | WD030 | 50 |
| <i>Corchorus aff. incanus</i> | PU | 312131 | 7620427 | | 500 |
| <i>Corchorus aff. incanus</i> | PU | 312253 | 7620592 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 312311 | 7618783 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 312345 | 7618987 | | 500 |
| <i>Corchorus aff. incanus</i> | PU | 312358 | 7615129 | WC053 | 20 |
| <i>Corchorus aff. incanus</i> | PU | 312364 | 7620716 | WD031 | |
| <i>Corchorus aff. incanus</i> | PU | 312425 | 7619080 | WD027 | 50 |
| <i>Corchorus aff. incanus</i> | PU | 312432 | 7616248 | WC047R | 50 |
| <i>Corchorus aff. incanus</i> | PU | 312465 | 7618993 | Csp25 | 132 |
| <i>Corchorus aff. incanus</i> | PU | 312475 | 7618948 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 312545 | 7612881 | WJ048 | |
| <i>Corchorus aff. incanus</i> | PU | 312775 | 7615710 | WC049 | |
| <i>Corchorus aff. incanus</i> | PU | 312777 | 7619688 | WD032 | 100 |
| <i>Corchorus aff. incanus</i> | PU | 312787 | 7614919 | WC052 | 30 |
| <i>Corchorus aff. incanus</i> | PU | 312818 | 7619187 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 312852 | 7618663 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 312884 | 7618267 | WE053 | |
| <i>Corchorus aff. incanus</i> | PU | 312998 | 7617562 | WK056 | 30 |
| <i>Corchorus aff. incanus</i> | PU | 313032 | 7600575 | WE046 | |
| <i>Corchorus aff. incanus</i> | PU | 313056 | 7613023 | WJ050 | |
| <i>Corchorus aff. incanus</i> | PU | 313063 | 7591250 | WD044 | 250 |
| <i>Corchorus aff. incanus</i> | PU | 313088 | 7619419 | Csp26 | 114 |
| <i>Corchorus aff. incanus</i> | PU | 313105 | 7598714 | WC014 | |
| <i>Corchorus aff. incanus</i> | PU | 313141 | 7612885 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313199 | 7614175 | WJ043 | |
| <i>Corchorus aff. incanus</i> | PU | 313298 | 7614066 | | |
| <i>Corchorus aff. incanus</i> | PU | 313329 | 7612848 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 313355 | 7612802 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 313360 | 7613626 | | 50 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 313366 | 7612951 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313371 | 7613668 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 313373 | 7612803 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 313391 | 7612499 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313394 | 7612951 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313402 | 7612809 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313424 | 7612801 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 313427 | 7612927 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 313427 | 7613002 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313445 | 7612441 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313460 | 7618904 | Csp31 | 66 |
| <i>Corchorus aff. incanus</i> | PU | 313488 | 7620799 | WJ065 | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313514 | 7613650 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 313516 | 7613435 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 313522 | 7613506 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 313527 | 7613455 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 313531 | 7613520 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313534 | 7612539 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313540 | 7612524 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313540 | 7612617 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313554 | 7613494 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 313560 | 7613569 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313562 | 7612456 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313572 | 7612723 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313577 | 7613519 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 313580 | 7612618 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313581 | 7612906 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313581 | 7613577 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313586 | 7613561 | | 29 |
| <i>Corchorus aff. incanus</i> | PU | 313586 | 7612590 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313588 | 7612098 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313598 | 7612514 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 313600 | 7613539 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 313607 | 7612917 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313616 | 7612429 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 313618 | 7613553 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313632 | 7612328 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313636 | 7612386 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 313637 | 7612875 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313647 | 7612279 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 313648 | 7612096 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313653 | 7612358 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313656 | 7612950 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313659 | 7612339 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 313660 | 7613572 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 313667 | 7613186 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 313671 | 7612179 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313675 | 7612302 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 313678 | 7612927 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 313691 | 7612171 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313694 | 7618219 | WE052 | |
| <i>Corchorus aff. incanus</i> | PU | 313694 | 7612951 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 313697 | 7612923 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313698 | 7591352 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 313699 | 7620790 | WJ064 | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313699 | 7613899 | | 140 |
| <i>Corchorus aff. incanus</i> | PU | 313709 | 7613631 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313732 | 7612909 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313737 | 7611887 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313738 | 7613387 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313747 | 7612945 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313749 | 7613906 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 313750 | 7611953 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 313752 | 7612976 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313753 | 7612903 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313760 | 7611985 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 313764 | 7611972 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 313767 | 7611959 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313767 | 7613097 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313768 | 7611986 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313769 | 7611930 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313770 | 7611693 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313771 | 7612078 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 313771 | 7611996 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 313772 | 7612935 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 313774 | 7591375 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 313778 | 7613859 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 313778 | 7611963 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 313778 | 7611947 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313783 | 7611983 | | 25 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 313783 | 7611996 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313786 | 7612001 | WE029 | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313788 | 7613142 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313788 | 7611937 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313791 | 7612950 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 313792 | 7611932 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313792 | 7611979 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 313794 | 7614782 | | |
| <i>Corchorus aff. incanus</i> | PU | 313795 | 7611914 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313801 | 7611929 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313802 | 7611972 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 313803 | 7611896 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313807 | 7611902 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313808 | 7611925 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313811 | 7611966 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 313812 | 7611941 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313813 | 7611987 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313814 | 7619407 | WJ069 | 20 |
| <i>Corchorus aff. incanus</i> | PU | 313817 | 7611961 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 313819 | 7613772 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 313823 | 7611967 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 313823 | 7611959 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 313824 | 7611951 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 313825 | 7612002 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313825 | 7611924 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 313829 | 7611934 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 313837 | 7592537 | | |
| <i>Corchorus aff. incanus</i> | PU | 313838 | 7611951 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 313838 | 7613142 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 313841 | 7611939 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 313845 | 7613748 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 313849 | 7613512 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 313855 | 7613895 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 313859 | 7613797 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 313871 | 7613144 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313876 | 7611756 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313877 | 7613543 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 313878 | 7613747 | | 37 |
| <i>Corchorus aff. incanus</i> | PU | 313879 | 7613693 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 313879 | 7613864 | | 25 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 313889 | 7611619 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 313900 | 7613521 | | 39 |
| <i>Corchorus aff. incanus</i> | PU | 313907 | 7612393 | WE028 | 10 |
| <i>Corchorus aff. incanus</i> | PU | 313914 | 7613150 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313923 | 7613749 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 313928 | 7613981 | | |
| <i>Corchorus aff. incanus</i> | PU | 313928 | 7589364 | WD046 | |
| <i>Corchorus aff. incanus</i> | PU | 313934 | 7613858 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 313937 | 7611241 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313939 | 7613857 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 313939 | 7613543 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 313944 | 7613602 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 313950 | 7613518 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 313951 | 7613697 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 313967 | 7610450 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 313978 | 7589647 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 313979 | 7613741 | | 21 |
| <i>Corchorus aff. incanus</i> | PU | 313980 | 7613602 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 313984 | 7613509 | | 69 |
| <i>Corchorus aff. incanus</i> | PU | 313985 | 7613901 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 313987 | 7613527 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314003 | 7613177 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314005 | 7611983 | | |
| <i>Corchorus aff. incanus</i> | PU | 314009 | 7613515 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314016 | 7613504 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314028 | 7613604 | | 155 |
| <i>Corchorus aff. incanus</i> | PU | 314028 | 7610449 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314029 | 7613843 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 314031 | 7613497 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314039 | 7613556 | | 170 |
| <i>Corchorus aff. incanus</i> | PU | 314042 | 7589828 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314042 | 7610907 | WJ052 | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314047 | 7613488 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314054 | 7613453 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314054 | 7618267 | Csp24 | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314055 | 7611897 | Csp36 | 101 |
| <i>Corchorus aff. incanus</i> | PU | 314063 | 7613476 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 314064 | 7614112 | WJ041 | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314067 | 7613606 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314070 | 7590074 | WD048 | |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314074 | 7589682 | WD047 | |
| <i>Corchorus aff. incanus</i> | PU | 314075 | 7613224 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314078 | 7613463 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314090 | 7613757 | | 110 |
| <i>Corchorus aff. incanus</i> | PU | 314093 | 7613443 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314094 | 7613558 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314100 | 7613396 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314103 | 7616044 | WK057 | |
| <i>Corchorus aff. incanus</i> | PU | 314108 | 7613595 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314114 | 7611973 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314120 | 7613267 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314122 | 7612025 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314125 | 7613378 | | 300 |
| <i>Corchorus aff. incanus</i> | PU | 314126 | 7612064 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314128 | 7613321 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314128 | 7612091 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314139 | 7612002 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314143 | 7613599 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 314143 | 7613903 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 314145 | 7612123 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314148 | 7611401 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314149 | 7612074 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314151 | 7613752 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314152 | 7611431 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314158 | 7613566 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314161 | 7612149 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314174 | 7611994 | WJ053 | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314180 | 7614226 | | |
| <i>Corchorus aff. incanus</i> | PU | 314183 | 7612126 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314185 | 7613897 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314189 | 7612175 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314189 | 7613196 | Csp18 | 67 |
| <i>Corchorus aff. incanus</i> | PU | 314193 | 7611604 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314194 | 7613207 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314196 | 7613354 | | 160 |
| <i>Corchorus aff. incanus</i> | PU | 314199 | 7611536 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314199 | 7611442 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314200 | 7610324 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314200 | 7613247 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 314203 | 7613302 | | 350 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314203 | 7613415 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 314207 | 7619776 | WJ068 | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314211 | 7613752 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314218 | 7613199 | | |
| <i>Corchorus aff. incanus</i> | PU | 314233 | 7613102 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314245 | 7611489 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314246 | 7610330 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314247 | 7613906 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314247 | 7610400 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314248 | 7611569 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314248 | 7611443 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314249 | 7611169 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314250 | 7611609 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 314252 | 7613202 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314253 | 7611273 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314256 | 7610307 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314257 | 7611656 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314264 | 7612170 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314267 | 7613754 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 314269 | 7613449 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314278 | 7614395 | | |
| <i>Corchorus aff. incanus</i> | PU | 314291 | 7613147 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314293 | 7613492 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314297 | 7611654 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 314298 | 7610364 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314301 | 7611608 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 314301 | 7613246 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 314303 | 7610405 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314310 | 7619802 | WJ067 | |
| <i>Corchorus aff. incanus</i> | PU | 314317 | 7613901 | | 120 |
| <i>Corchorus aff. incanus</i> | PU | 314322 | 7610332 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314324 | 7613702 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314327 | 7613603 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314333 | 7613754 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314347 | 7611192 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314348 | 7610346 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314348 | 7611620 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314349 | 7611303 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314351 | 7610969 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314351 | 7613580 | | |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314351 | 7611408 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314352 | 7611072 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314353 | 7610394 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314354 | 7611260 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 314354 | 7611138 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314357 | 7613802 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314369 | 7613606 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314370 | 7610447 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314371 | 7613748 | | 90 |
| <i>Corchorus aff. incanus</i> | PU | 314375 | 7613544 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314380 | 7618651 | | |
| <i>Corchorus aff. incanus</i> | PU | 314387 | 7610334 | | 37 |
| <i>Corchorus aff. incanus</i> | PU | 314388 | 7610381 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314392 | 7611182 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 314393 | 7613742 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314397 | 7613067 | | |
| <i>Corchorus aff. incanus</i> | PU | 314397 | 7610443 | | 52 |
| <i>Corchorus aff. incanus</i> | PU | 314398 | 7610996 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314399 | 7611028 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314399 | 7610936 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314408 | 7610812 | | |
| <i>Corchorus aff. incanus</i> | PU | 314411 | 7612950 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314412 | 7613777 | | 130 |
| <i>Corchorus aff. incanus</i> | PU | 314415 | 7611044 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314415 | 7613905 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314415 | 7612776 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 314416 | 7612231 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314417 | 7616757 | | |
| <i>Corchorus aff. incanus</i> | PU | 314417 | 7611087 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314419 | 7613254 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314419 | 7613547 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314420 | 7613610 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314421 | 7610872 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 314421 | 7610872 | WJ051R | 3 |
| <i>Corchorus aff. incanus</i> | PU | 314422 | 7610940 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314424 | 7617670 | Csp33 | 78 |
| <i>Corchorus aff. incanus</i> | PU | 314427 | 7612896 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314429 | 7612741 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314436 | 7606326 | WE055 | |
| <i>Corchorus aff. incanus</i> | PU | 314438 | 7613108 | | 80 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314439 | 7613649 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314439 | 7615841 | | |
| <i>Corchorus aff. incanus</i> | PU | 314442 | 7610488 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314445 | 7610459 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314446 | 7610434 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 314449 | 7612847 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314449 | 7610341 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314450 | 7613304 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 314450 | 7610375 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314451 | 7612901 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314452 | 7610402 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314453 | 7613812 | | 130 |
| <i>Corchorus aff. incanus</i> | PU | 314460 | 7613445 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314467 | 7612241 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314469 | 7613351 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314481 | 7612216 | | 36 |
| <i>Corchorus aff. incanus</i> | PU | 314486 | 7613380 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314489 | 7606371 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 314491 | 7617427 | WM026 | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314492 | 7613546 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314495 | 7610328 | | 91 |
| <i>Corchorus aff. incanus</i> | PU | 314495 | 7613154 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314496 | 7612247 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314498 | 7613601 | | 55 |
| <i>Corchorus aff. incanus</i> | PU | 314499 | 7610863 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314500 | 7610796 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314501 | 7609801 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314503 | 7610808 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314507 | 7613304 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 314508 | 7612853 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314512 | 7610415 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 314516 | 7610515 | | 53 |
| <i>Corchorus aff. incanus</i> | PU | 314516 | 7613103 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314524 | 7612216 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 314524 | 7613251 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314532 | 7612254 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314533 | 7613453 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314534 | 7612684 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 314534 | 7612740 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314535 | 7614274 | | |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--------------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314545 | 7613595 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314549 | 7610695 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314549 | 7610765 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314549 | 7610459 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314550 | 7610801 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314550 | 7610535 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314551 | 7610336 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314551 | 7610830 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314552 | 7610502 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314552 | 7610129 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314553 | 7610669 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314554 | 7612732 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314573 | 7613101 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314574 | 7613537 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314575 | 7618883 | Csp27 | 171 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314577 | 7613601 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314582 | 7612262 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314595 | 7610745 | | 136 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314598 | 7610511 | | 60 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314599 | 7610808 | | 73 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314600 | 7610674 | | 90 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314601 | 7609825 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314606 | 7613306 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314606 | 7609876 | | 17 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314606 | 7613453 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314607 | 7613348 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314607 | 7613155 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314607 | 7610570 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314608 | 7606643 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314611 | 7613201 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314611 | 7612267 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314612 | 7613252 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314621 | 7610516 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314626 | 7599991 | WD055 | 800 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314630 | 7613412 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314633 | 7616727 | Csp30 | 101 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314634 | 7606685 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314636 | 7609786 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314638 | 7612223 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 314638 | 7610540 | | 25 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314641 | 7613446 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314643 | 7589487 | | 250 |
| <i>Corchorus aff. incanus</i> | PU | 314646 | 7610622 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314647 | 7609879 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314647 | 7610647 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314647 | 7610741 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314648 | 7610090 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314648 | 7610588 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314649 | 7610697 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314650 | 7610668 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314650 | 7610783 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314650 | 7610762 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314651 | 7610557 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314653 | 7610822 | | 55 |
| <i>Corchorus aff. incanus</i> | PU | 314655 | 7610682 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314655 | 7610801 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314656 | 7612273 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 314656 | 7612789 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314663 | 7617370 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314665 | 7613857 | | |
| <i>Corchorus aff. incanus</i> | PU | 314667 | 7613103 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314674 | 7610844 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314674 | 7589160 | CspM01 | 202 |
| <i>Corchorus aff. incanus</i> | PU | 314683 | 7610640 | | 31 |
| <i>Corchorus aff. incanus</i> | PU | 314691 | 7610604 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 314695 | 7606612 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314698 | 7610679 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314699 | 7610731 | | 78 |
| <i>Corchorus aff. incanus</i> | PU | 314699 | 7610136 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314702 | 7607135 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 314705 | 7606775 | | 21 |
| <i>Corchorus aff. incanus</i> | PU | 314705 | 7609979 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 314706 | 7610089 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 314707 | 7618468 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314709 | 7610563 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 314710 | 7610827 | | 127 |
| <i>Corchorus aff. incanus</i> | PU | 314712 | 7613110 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314717 | 7611759 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314721 | 7613420 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314723 | 7613347 | | 50 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314724 | 7613301 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 314728 | 7610843 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314729 | 7616983 | | |
| <i>Corchorus aff. incanus</i> | PU | 314735 | 7613154 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314737 | 7612223 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314739 | 7613047 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314742 | 7612850 | | |
| <i>Corchorus aff. incanus</i> | PU | 314745 | 7609970 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314745 | 7618505 | WM024 | 11 |
| <i>Corchorus aff. incanus</i> | PU | 314746 | 7610186 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314746 | 7610029 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314749 | 7610028 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314752 | 7610058 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314752 | 7610608 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314752 | 7610119 | | 44 |
| <i>Corchorus aff. incanus</i> | PU | 314754 | 7610692 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314754 | 7613246 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314779 | 7613303 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 314779 | 7613202 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314783 | 7599035 | WK019 | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314785 | 7610601 | | 95 |
| <i>Corchorus aff. incanus</i> | PU | 314786 | 7606267 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 314789 | 7613393 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314789 | 7613000 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314790 | 7606225 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 314791 | 7618579 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314791 | 7612107 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314791 | 7613019 | | |
| <i>Corchorus aff. incanus</i> | PU | 314792 | 7599765 | WC012 | |
| <i>Corchorus aff. incanus</i> | PU | 314793 | 7607099 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 314796 | 7610064 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 314798 | 7609934 | | 65 |
| <i>Corchorus aff. incanus</i> | PU | 314798 | 7614636 | | |
| <i>Corchorus aff. incanus</i> | PU | 314798 | 7610848 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314798 | 7609890 | | 41 |
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7610129 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7610681 | | 27 |
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7606532 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7610717 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7610629 | | 10 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7609965 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7610212 | | 85 |
| <i>Corchorus aff. incanus</i> | PU | 314800 | 7610002 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314801 | 7610157 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 314807 | 7606865 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314809 | 7606736 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314810 | 7606809 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 314813 | 7611942 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314820 | 7615762 | | |
| <i>Corchorus aff. incanus</i> | PU | 314821 | 7613349 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314821 | 7606450 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314835 | 7612852 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 314837 | 7611945 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314841 | 7611921 | | 85 |
| <i>Corchorus aff. incanus</i> | PU | 314842 | 7606360 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 314844 | 7610005 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314846 | 7606416 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314847 | 7610135 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314847 | 7606892 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 314848 | 7610252 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314848 | 7610626 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314848 | 7610208 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314849 | 7610570 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314849 | 7609923 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314849 | 7610031 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314849 | 7610834 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314849 | 7610512 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314849 | 7610747 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314849 | 7610599 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314850 | 7609773 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314851 | 7610648 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314851 | 7609951 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314851 | 7610179 | | 23 |
| <i>Corchorus aff. incanus</i> | PU | 314851 | 7610330 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314851 | 7610074 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 314852 | 7606520 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314852 | 7610686 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314852 | 7610529 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314853 | 7609888 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314853 | 7610665 | | 45 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314854 | 7609746 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 314855 | 7610710 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314855 | 7610103 | | 34 |
| <i>Corchorus aff. incanus</i> | PU | 314870 | 7611098 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314883 | 7610676 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314895 | 7609988 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 314895 | 7610468 | | 23 |
| <i>Corchorus aff. incanus</i> | PU | 314896 | 7610280 | WC055 | |
| <i>Corchorus aff. incanus</i> | PU | 314896 | 7610000 | | 126 |
| <i>Corchorus aff. incanus</i> | PU | 314896 | 7609927 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314898 | 7609969 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314898 | 7609814 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314899 | 7610105 | | 84 |
| <i>Corchorus aff. incanus</i> | PU | 314901 | 7610546 | | 130 |
| <i>Corchorus aff. incanus</i> | PU | 314901 | 7611111 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 314903 | 7610333 | | 127 |
| <i>Corchorus aff. incanus</i> | PU | 314903 | 7610703 | | 21 |
| <i>Corchorus aff. incanus</i> | PU | 314904 | 7609753 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314905 | 7610175 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314908 | 7610420 | | 22 |
| <i>Corchorus aff. incanus</i> | PU | 314909 | 7606958 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 314909 | 7610633 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314926 | 7615286 | | |
| <i>Corchorus aff. incanus</i> | PU | 314939 | 7616448 | WD034 | |
| <i>Corchorus aff. incanus</i> | PU | 314940 | 7610360 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314940 | 7619134 | WM023 | 11 |
| <i>Corchorus aff. incanus</i> | PU | 314942 | 7610336 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314942 | 7606790 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 314943 | 7609955 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314944 | 7610023 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314944 | 7610052 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314944 | 7610382 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314944 | 7609817 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 314945 | 7610616 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314945 | 7606399 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314945 | 7610079 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314946 | 7610818 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 314946 | 7609998 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314946 | 7610513 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 314947 | 7610546 | | 15 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 314947 | 7610106 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314947 | 7609775 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314947 | 7610864 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314947 | 7610835 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314948 | 7610485 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314948 | 7610209 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314949 | 7610464 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 314950 | 7610798 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314950 | 7610152 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314951 | 7610183 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 314951 | 7609865 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314952 | 7610408 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314952 | 7610238 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314953 | 7606950 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314954 | 7606619 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314955 | 7610428 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314956 | 7611113 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 314959 | 7606468 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 314961 | 7611907 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314969 | 7609990 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314970 | 7610939 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314978 | 7611111 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314990 | 7609877 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 314993 | 7606657 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 314995 | 7610201 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314996 | 7610516 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 314996 | 7610594 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 314996 | 7610142 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 314997 | 7610185 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 314997 | 7610158 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 314997 | 7609939 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 314997 | 7606459 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 314999 | 7610100 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315000 | 7609761 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315000 | 7610946 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315000 | 7610122 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315001 | 7610075 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 315001 | 7610315 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 315001 | 7610378 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 315001 | 7610755 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315003 | 7610898 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315003 | 7610401 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315003 | 7610012 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315003 | 7610476 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315003 | 7610030 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315003 | 7610423 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315004 | 7610223 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315005 | 7606568 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 315007 | 7610460 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315009 | 7609996 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 315009 | 7610000 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315009 | 7610051 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315009 | 7606192 | | 56 |
| <i>Corchorus aff. incanus</i> | PU | 315023 | 7619964 | WD026 | 50 |
| <i>Corchorus aff. incanus</i> | PU | 315023 | 7606489 | CspM19 | 36 |
| <i>Corchorus aff. incanus</i> | PU | 315025 | 7606446 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315034 | 7617947 | WM025 | 150 |
| <i>Corchorus aff. incanus</i> | PU | 315037 | 7606688 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315038 | 7606764 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 315042 | 7610862 | | 24 |
| <i>Corchorus aff. incanus</i> | PU | 315043 | 7606794 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 315043 | 7610149 | | 38 |
| <i>Corchorus aff. incanus</i> | PU | 315043 | 7610320 | | 91 |
| <i>Corchorus aff. incanus</i> | PU | 315044 | 7610938 | | 88 |
| <i>Corchorus aff. incanus</i> | PU | 315045 | 7610626 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 315046 | 7606850 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315046 | 7611164 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315046 | 7612117 | | |
| <i>Corchorus aff. incanus</i> | PU | 315046 | 7610211 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 315047 | 7610972 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315047 | 7609877 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 315048 | 7610826 | | 39 |
| <i>Corchorus aff. incanus</i> | PU | 315050 | 7610513 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315051 | 7610027 | | 29 |
| <i>Corchorus aff. incanus</i> | PU | 315051 | 7609829 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315052 | 7611031 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315052 | 7606479 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315053 | 7610090 | | 76 |
| <i>Corchorus aff. incanus</i> | PU | 315053 | 7611132 | | 63 |
| <i>Corchorus aff. incanus</i> | PU | 315054 | 7609925 | | 16 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315054 | 7611210 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315054 | 7610880 | | 139 |
| <i>Corchorus aff. incanus</i> | PU | 315062 | 7610170 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 315063 | 7614428 | Csp19 | 164 |
| <i>Corchorus aff. incanus</i> | PU | 315064 | 7606642 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 315067 | 7606858 | WK028 | |
| <i>Corchorus aff. incanus</i> | PU | 315093 | 7610861 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315096 | 7610155 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315097 | 7610214 | | 28 |
| <i>Corchorus aff. incanus</i> | PU | 315097 | 7610079 | | 66 |
| <i>Corchorus aff. incanus</i> | PU | 315097 | 7610780 | | 56 |
| <i>Corchorus aff. incanus</i> | PU | 315098 | 7610256 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315098 | 7610657 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315098 | 7610705 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315098 | 7606597 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315098 | 7611242 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 315098 | 7610109 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 315099 | 7610509 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315099 | 7611261 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 315099 | 7611166 | | 94 |
| <i>Corchorus aff. incanus</i> | PU | 315099 | 7611194 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 315100 | 7611048 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315100 | 7610320 | | 23 |
| <i>Corchorus aff. incanus</i> | PU | 315100 | 7611031 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 315100 | 7610969 | | 250 |
| <i>Corchorus aff. incanus</i> | PU | 315100 | 7610296 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 315100 | 7610048 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315101 | 7610918 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 315101 | 7611216 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315103 | 7612246 | | |
| <i>Corchorus aff. incanus</i> | PU | 315103 | 7609844 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 315104 | 7610486 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315104 | 7610525 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315106 | 7609881 | | 27 |
| <i>Corchorus aff. incanus</i> | PU | 315107 | 7609938 | | 22 |
| <i>Corchorus aff. incanus</i> | PU | 315110 | 7609996 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315114 | 7617060 | | |
| <i>Corchorus aff. incanus</i> | PU | 315115 | 7615921 | | |
| <i>Corchorus aff. incanus</i> | PU | 315130 | 7615296 | | |
| <i>Corchorus aff. incanus</i> | PU | 315130 | 7588053 | | 15 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315137 | 7609870 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 315137 | 7611274 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315142 | 7611229 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 315144 | 7611183 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315144 | 7610818 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315144 | 7620010 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 315144 | 7606466 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315145 | 7606627 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315145 | 7610191 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315146 | 7606081 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315146 | 7606042 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315147 | 7610632 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315147 | 7610221 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315147 | 7610843 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315147 | 7610868 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 315148 | 7610985 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 315148 | 7609913 | WC056R | |
| <i>Corchorus aff. incanus</i> | PU | 315148 | 7595582 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 315149 | 7611002 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 315149 | 7610334 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315149 | 7610076 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315149 | 7610938 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315150 | 7610802 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315150 | 7611143 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 315150 | 7610883 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 315151 | 7611116 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315151 | 7610965 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315151 | 7610766 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315151 | 7610914 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315152 | 7609913 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 315155 | 7611205 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315161 | 7610362 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315172 | 7611758 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315172 | 7610985 | CspM18 | 377 |
| <i>Corchorus aff. incanus</i> | PU | 315183 | 7614100 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 315185 | 7611175 | | 128 |
| <i>Corchorus aff. incanus</i> | PU | 315192 | 7610952 | | 52 |
| <i>Corchorus aff. incanus</i> | PU | 315193 | 7611733 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 315195 | 7610399 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 315198 | 7610056 | | 25 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315201 | 7610877 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315201 | 7610442 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 315201 | 7610272 | | 99 |
| <i>Corchorus aff. incanus</i> | PU | 315203 | 7611010 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315203 | 7606245 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 315204 | 7611129 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 315206 | 7611238 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 315207 | 7610585 | | 22 |
| <i>Corchorus aff. incanus</i> | PU | 315207 | 7610320 | | 59 |
| <i>Corchorus aff. incanus</i> | PU | 315215 | 7605906 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315215 | 7610674 | | 48 |
| <i>Corchorus aff. incanus</i> | PU | 315221 | 7614134 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315223 | 7615538 | | |
| <i>Corchorus aff. incanus</i> | PU | 315229 | 7614121 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315230 | 7605972 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315230 | 7614049 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315234 | 7610334 | WC054 | |
| <i>Corchorus aff. incanus</i> | PU | 315236 | 7614060 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315247 | 7611010 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315248 | 7610965 | | 64 |
| <i>Corchorus aff. incanus</i> | PU | 315248 | 7610872 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 315249 | 7610320 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315249 | 7610570 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315249 | 7610718 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315249 | 7617120 | Csp28 | 295 |
| <i>Corchorus aff. incanus</i> | PU | 315249 | 7610900 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 315250 | 7610607 | | 43 |
| <i>Corchorus aff. incanus</i> | PU | 315250 | 7610664 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 315250 | 7610834 | | 43 |
| <i>Corchorus aff. incanus</i> | PU | 315250 | 7611164 | | 89 |
| <i>Corchorus aff. incanus</i> | PU | 315251 | 7610934 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 315251 | 7610756 | | 56 |
| <i>Corchorus aff. incanus</i> | PU | 315251 | 7614848 | | |
| <i>Corchorus aff. incanus</i> | PU | 315251 | 7611069 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315251 | 7611121 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 315251 | 7610735 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315252 | 7610684 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 315253 | 7611134 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315253 | 7614050 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315253 | 7610806 | | 82 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--------------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315254 | 7610592 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315254 | 7610854 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315254 | 7610775 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315266 | 7611632 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315273 | 7598688 | WK018 | 200 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315295 | 7611116 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315295 | 7610674 | | 35 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315296 | 7610767 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315297 | 7611088 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315298 | 7610692 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315298 | 7610789 | | 35 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315299 | 7610896 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315299 | 7611180 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315299 | 7613835 | Csp34 | 101 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315299 | 7611128 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315299 | 7610924 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315299 | 7610835 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315300 | 7610813 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315300 | 7610610 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315300 | 7610735 | | 7 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315301 | 7611071 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315301 | 7611053 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315302 | 7611149 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315302 | 7610864 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315302 | 7610707 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315303 | 7610655 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315303 | 7610751 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315303 | 7610634 | | 35 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315303 | 7611004 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315304 | 7610537 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315304 | 7610939 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315305 | 7610585 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315306 | 7611161 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315307 | 7614135 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315312 | 7611247 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315320 | 7610126 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315332 | 7611228 | WK063 | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315334 | 7610146 | | 16 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315337 | 7611591 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315340 | 7587665 | WD011 | 100 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315341 | 7610841 | | 51 |
| <i>Corchorus aff. incanus</i> | PU | 315343 | 7610918 | | 43 |
| <i>Corchorus aff. incanus</i> | PU | 315343 | 7611186 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 315344 | 7610595 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315346 | 7610544 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 315346 | 7611072 | | 47 |
| <i>Corchorus aff. incanus</i> | PU | 315347 | 7610820 | | 96 |
| <i>Corchorus aff. incanus</i> | PU | 315348 | 7611120 | | 67 |
| <i>Corchorus aff. incanus</i> | PU | 315349 | 7610730 | | 27 |
| <i>Corchorus aff. incanus</i> | PU | 315349 | 7610869 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 315349 | 7611003 | | 66 |
| <i>Corchorus aff. incanus</i> | PU | 315372 | 7599732 | WC015 | |
| <i>Corchorus aff. incanus</i> | PU | 315373 | 7614097 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315374 | 7600029 | WC013 | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315376 | 7614128 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315388 | 7611292 | | 28 |
| <i>Corchorus aff. incanus</i> | PU | 315398 | 7611102 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315399 | 7605838 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315400 | 7610788 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315400 | 7611129 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 315400 | 7611004 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315401 | 7611075 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 315401 | 7611206 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315402 | 7610393 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315403 | 7610375 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315405 | 7605535 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315405 | 7611165 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 315406 | 7611027 | | 46 |
| <i>Corchorus aff. incanus</i> | PU | 315423 | 7614103 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 315423 | 7605903 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315444 | 7611154 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315444 | 7611061 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315447 | 7611135 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315448 | 7611115 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315450 | 7605899 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315450 | 7610403 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315451 | 7611042 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315452 | 7611276 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315458 | 7611018 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315462 | 7613063 | WE032 | 40 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315462 | 7589058 | WD016 | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315463 | 7614122 | | 27 |
| <i>Corchorus aff. incanus</i> | PU | 315465 | 7620119 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315470 | 7614101 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 315495 | 7613808 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315495 | 7620134 | WJ056 | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315502 | 7611009 | | 103 |
| <i>Corchorus aff. incanus</i> | PU | 315503 | 7611124 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315507 | 7613343 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 315509 | 7610513 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315509 | 7605852 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315519 | 7620107 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315521 | 7613420 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 315524 | 7620067 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 315524 | 7614121 | | 23 |
| <i>Corchorus aff. incanus</i> | PU | 315529 | 7614099 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315533 | 7620093 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315540 | 7620062 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 315548 | 7604851 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315548 | 7613057 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315550 | 7610867 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315554 | 7610545 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315556 | 7599651 | | |
| <i>Corchorus aff. incanus</i> | PU | 315557 | 7614117 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315559 | 7620095 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 315560 | 7615366 | Csp23 | 142 |
| <i>Corchorus aff. incanus</i> | PU | 315561 | 7613149 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315562 | 7612436 | WJ044 | |
| <i>Corchorus aff. incanus</i> | PU | 315571 | 7605374 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 315572 | 7613156 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 315575 | 7613479 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315576 | 7604944 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315578 | 7620198 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315583 | 7613166 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315583 | 7587375 | CspM03 | 128 |
| <i>Corchorus aff. incanus</i> | PU | 315592 | 7613201 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315593 | 7613434 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315595 | 7610508 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315595 | 7610528 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315597 | 7613548 | | 2 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--------------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315598 | 7587394 | | |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315600 | 7599439 | Csp45 | 347 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315603 | 7616242 | | |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315605 | 7598916 | Csp44 | 180 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315606 | 7613453 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315607 | 7616251 | WM027 | 35 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315609 | 7612983 | | 7 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315610 | 7610530 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315613 | 7603913 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315620 | 7588910 | | 100 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315628 | 7613451 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315640 | 7603894 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315641 | 7612320 | CspM17 | 120 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315642 | 7613039 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315643 | 7613010 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315645 | 7612920 | | 21 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315646 | 7612941 | | 6 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315647 | 7612965 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315654 | 7589027 | | 100 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315660 | 7589029 | CspM02 | 153 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315668 | 7603883 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315685 | 7612811 | | 7 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315686 | 7604999 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315687 | 7612966 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315696 | 7612901 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315696 | 7612917 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315697 | 7611609 | WK061 | |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315699 | 7613003 | | 12 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315700 | 7604852 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315701 | 7612876 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315702 | 7605668 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315702 | 7612946 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315706 | 7612843 | | 12 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315708 | 7604819 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315710 | 7604942 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315719 | 7612959 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315724 | 7603856 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315731 | 7614360 | | |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315749 | 7612793 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 315750 | 7612767 | | 2 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315751 | 7612811 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 315753 | 7612917 | | 23 |
| <i>Corchorus aff. incanus</i> | PU | 315755 | 7612867 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 315755 | 7612737 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 315755 | 7612704 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 315755 | 7612845 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315756 | 7612895 | | 27 |
| <i>Corchorus aff. incanus</i> | PU | 315769 | 7614120 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315771 | 7603933 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315777 | 7613752 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315778 | 7612905 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315800 | 7612895 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315801 | 7614137 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315802 | 7612779 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315802 | 7612800 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315805 | 7612830 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315805 | 7612720 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315805 | 7612699 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315805 | 7612653 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315830 | 7613699 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315832 | 7603936 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315836 | 7613666 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315842 | 7615186 | | |
| <i>Corchorus aff. incanus</i> | PU | 315843 | 7603903 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315844 | 7612819 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315846 | 7614152 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 315848 | 7612783 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315848 | 7612659 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 315850 | 7612686 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315850 | 7612846 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315852 | 7612872 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315853 | 7603824 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315865 | 7603871 | WC039 | |
| <i>Corchorus aff. incanus</i> | PU | 315867 | 7612890 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 315873 | 7603935 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315874 | 7620386 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 315894 | 7612763 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315896 | 7617577 | | |
| <i>Corchorus aff. incanus</i> | PU | 315898 | 7612627 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315898 | 7612933 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315898 | 7612665 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315899 | 7612797 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315899 | 7612949 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315902 | 7612880 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315902 | 7612843 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315905 | 7603912 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 315906 | 7603800 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315916 | 7619686 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315922 | 7605272 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315927 | 7614161 | | 87 |
| <i>Corchorus aff. incanus</i> | PU | 315934 | 7603948 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 315938 | 7605281 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315946 | 7603779 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315947 | 7612876 | | 62 |
| <i>Corchorus aff. incanus</i> | PU | 315948 | 7603891 | | 38 |
| <i>Corchorus aff. incanus</i> | PU | 315949 | 7612568 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315950 | 7612783 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 315950 | 7612727 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315951 | 7612587 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315951 | 7612836 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 315952 | 7612936 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315952 | 7612606 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315953 | 7612647 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 315953 | 7612941 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315953 | 7603818 | | 38 |
| <i>Corchorus aff. incanus</i> | PU | 315953 | 7612864 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 315954 | 7612683 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 315954 | 7612804 | | 55 |
| <i>Corchorus aff. incanus</i> | PU | 315956 | 7603490 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 315963 | 7619669 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315963 | 7596792 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 315968 | 7605282 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315969 | 7603525 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 315970 | 7605234 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315972 | 7612938 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315973 | 7605287 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315975 | 7614738 | | |
| <i>Corchorus aff. incanus</i> | PU | 315980 | 7612918 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315984 | 7605298 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315984 | 7603552 | | 6 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 315989 | 7612501 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 315991 | 7603793 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315991 | 7596790 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 315993 | 7603573 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 315994 | 7612907 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315994 | 7612815 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315996 | 7612792 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 315996 | 7603415 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315997 | 7612691 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315999 | 7612707 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 315999 | 7612594 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 315999 | 7603784 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 315999 | 7596782 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316000 | 7612512 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316000 | 7604786 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316000 | 7612627 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316000 | 7612572 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 316001 | 7612544 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316008 | 7603447 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316008 | 7603767 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316011 | 7603369 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316011 | 7604787 | | 26 |
| <i>Corchorus aff. incanus</i> | PU | 316011 | 7614164 | | 61 |
| <i>Corchorus aff. incanus</i> | PU | 316011 | 7604769 | | 36 |
| <i>Corchorus aff. incanus</i> | PU | 316019 | 7605324 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 316021 | 7603381 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316022 | 7604766 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 316023 | 7602319 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 316024 | 7605293 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 316025 | 7602336 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316029 | 7604285 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316033 | 7604722 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316034 | 7604818 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316036 | 7604740 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316036 | 7605284 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 316036 | 7602350 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 316039 | 7603386 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316041 | 7602362 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316041 | 7605319 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316041 | 7596805 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316041 | 7596724 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316042 | 7605310 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316043 | 7612668 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316044 | 7602318 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316045 | 7596740 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316045 | 7603447 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316046 | 7612647 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 316046 | 7612538 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316047 | 7604292 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316048 | 7612577 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316049 | 7596774 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 316049 | 7604282 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 316049 | 7604299 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316050 | 7603344 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316050 | 7596772 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 316050 | 7612717 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316051 | 7612501 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316051 | 7604269 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 316051 | 7612688 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316052 | 7612734 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316052 | 7612459 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316052 | 7604256 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316052 | 7612631 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316052 | 7602375 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316053 | 7603743 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316053 | 7605301 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316055 | 7603668 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316056 | 7602326 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316059 | 7605285 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316061 | 7614165 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316064 | 7602352 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316071 | 7602370 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316075 | 7611829 | WE034 | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316075 | 7602330 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316078 | 7604601 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316078 | 7602359 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316081 | 7602354 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316082 | 7604598 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316085 | 7612425 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316085 | 7613880 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316086 | 7614159 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316087 | 7604583 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 316087 | 7596690 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316087 | 7602395 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316088 | 7602342 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316090 | 7604612 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 316091 | 7602380 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316093 | 7604621 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316093 | 7602340 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316094 | 7604600 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316095 | 7602339 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316096 | 7603623 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316097 | 7596523 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316099 | 7604367 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316100 | 7602388 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316102 | 7612583 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316103 | 7603359 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 316103 | 7602347 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316103 | 7604586 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316103 | 7602364 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316105 | 7612484 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316106 | 7596579 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316106 | 7612464 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316106 | 7612500 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316108 | 7612573 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316110 | 7603396 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316120 | 7612054 | WE035 | |
| <i>Corchorus aff. incanus</i> | PU | 316120 | 7604605 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316137 | 7603462 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316140 | 7613910 | | 56 |
| <i>Corchorus aff. incanus</i> | PU | 316140 | 7604611 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316144 | 7604621 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316147 | 7612408 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316147 | 7612553 | | 26 |
| <i>Corchorus aff. incanus</i> | PU | 316148 | 7603628 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316150 | 7604664 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316151 | 7612589 | | 75 |
| <i>Corchorus aff. incanus</i> | PU | 316152 | 7612448 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 316152 | 7612514 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316152 | 7612490 | | 10 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316152 | 7603709 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316153 | 7603429 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 316154 | 7603305 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 316154 | 7605575 | | 300 |
| <i>Corchorus aff. incanus</i> | PU | 316154 | 7605576 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316155 | 7603498 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316155 | 7603348 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316156 | 7603405 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316156 | 7603331 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316156 | 7603317 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316159 | 7614142 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 316161 | 7603372 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316165 | 7603291 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 316166 | 7602329 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316166 | 7604627 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316169 | 7613956 | | 29 |
| <i>Corchorus aff. incanus</i> | PU | 316170 | 7602340 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316173 | 7604684 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 316173 | 7604699 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316174 | 7604624 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 316181 | 7604698 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316183 | 7596750 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316184 | 7613864 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316185 | 7613810 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316187 | 7604630 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316188 | 7604645 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316189 | 7614112 | | 53 |
| <i>Corchorus aff. incanus</i> | PU | 316190 | 7612477 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 316192 | 7604645 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316193 | 7612526 | | 24 |
| <i>Corchorus aff. incanus</i> | PU | 316194 | 7614037 | | 55 |
| <i>Corchorus aff. incanus</i> | PU | 316195 | 7603535 | Csp14 | 33 |
| <i>Corchorus aff. incanus</i> | PU | 316196 | 7603366 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316197 | 7603305 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316197 | 7604653 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316199 | 7612578 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316199 | 7603692 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316199 | 7612602 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316201 | 7603922 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316203 | 7612549 | | 27 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--------------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316204 | 7603815 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316204 | 7602336 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316205 | 7603546 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316207 | 7619415 | | 100 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316211 | 7604670 | | 8 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316212 | 7614140 | | 32 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316214 | 7613843 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316217 | 7598174 | WK016 | |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316222 | 7604676 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316223 | 7604670 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316223 | 7604656 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316226 | 7604692 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316227 | 7613819 | | 12 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316230 | 7604654 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316234 | 7603568 | | 7 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316239 | 7603412 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316240 | 7604648 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316241 | 7604701 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316242 | 7613835 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316243 | 7603853 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316243 | 7603547 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316243 | 7604751 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316246 | 7603577 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316247 | 7612510 | | 81 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316247 | 7604727 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316248 | 7612553 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316250 | 7603844 | | 7 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316250 | 7604772 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316251 | 7603703 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316251 | 7612411 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316251 | 7603362 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316253 | 7603333 | | 8 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316253 | 7603435 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316255 | 7603801 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316256 | 7612379 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316258 | 7612455 | | 26 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316262 | 7613793 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316262 | 7604759 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316267 | 7598540 | | |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 316267 | 7603340 | | 4 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316269 | 7613831 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316285 | 7613943 | CspM16 | 107 |
| <i>Corchorus aff. incanus</i> | PU | 316287 | 7612455 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316287 | 7612562 | | 38 |
| <i>Corchorus aff. incanus</i> | PU | 316291 | 7596108 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316291 | 7612688 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316296 | 7596126 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316297 | 7588826 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316297 | 7596794 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316297 | 7612411 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316297 | 7619345 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 316298 | 7596764 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316299 | 7612361 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 316300 | 7612512 | | 27 |
| <i>Corchorus aff. incanus</i> | PU | 316301 | 7596082 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316301 | 7612470 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 316301 | 7603589 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316303 | 7612640 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 316305 | 7603354 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316305 | 7603421 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316306 | 7596158 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 316308 | 7614418 | | |
| <i>Corchorus aff. incanus</i> | PU | 316310 | 7596140 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316311 | 7612607 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316312 | 7596105 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 316315 | 7612651 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316316 | 7596143 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 316321 | 7596080 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316324 | 7596786 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316328 | 7612427 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316330 | 7596128 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316331 | 7596783 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316331 | 7596794 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316336 | 7596140 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316337 | 7596200 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316342 | 7603522 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316343 | 7596625 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316344 | 7603357 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316344 | 7596173 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316344 | 7596130 | | 10 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316346 | 7596056 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316346 | 7603403 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316348 | 7603377 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316349 | 7612374 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316349 | 7596135 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316349 | 7596346 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 316349 | 7594886 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316349 | 7596225 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316352 | 7612337 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 316354 | 7612419 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 316354 | 7603459 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 316354 | 7603505 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316356 | 7596169 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316364 | 7596237 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316366 | 7596153 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316367 | 7613795 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316374 | 7596418 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316374 | 7612320 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 316388 | 7596151 | | 53 |
| <i>Corchorus aff. incanus</i> | PU | 316390 | 7619308 | WM019 | 90 |
| <i>Corchorus aff. incanus</i> | PU | 316390 | 7613777 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316396 | 7595622 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316397 | 7596431 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316398 | 7612771 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316399 | 7596187 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 316400 | 7596245 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316400 | 7602278 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316400 | 7596124 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316402 | 7596418 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316407 | 7596131 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316408 | 7596139 | | 191 |
| <i>Corchorus aff. incanus</i> | PU | 316409 | 7611313 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316409 | 7596145 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316410 | 7596158 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 316414 | 7613549 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316420 | 7596101 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316420 | 7615237 | | |
| <i>Corchorus aff. incanus</i> | PU | 316423 | 7618822 | CspM11 | 332 |
| <i>Corchorus aff. incanus</i> | PU | 316426 | 7618270 | CspM12 | 99 |
| <i>Corchorus aff. incanus</i> | PU | 316426 | 7619152 | CspM10 | 145 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316431 | 7594788 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316433 | 7596432 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316435 | 7613282 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316435 | 7612104 | WE033 | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316437 | 7596076 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316438 | 7602243 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316440 | 7596151 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 316441 | 7596063 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316443 | 7595846 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316445 | 7596443 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316446 | 7595756 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316447 | 7611457 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316448 | 7595984 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316451 | 7612257 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316451 | 7596046 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316453 | 7596197 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316453 | 7596426 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 316453 | 7596123 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316455 | 7611524 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316455 | 7596028 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316455 | 7611482 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316455 | 7596013 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316455 | 7611504 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316462 | 7611542 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316462 | 7596045 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316464 | 7596450 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316464 | 7596186 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316464 | 7596109 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316478 | 7595757 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316488 | 7596036 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 316499 | 7611497 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316500 | 7612189 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 316503 | 7596853 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316503 | 7611408 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316505 | 7603690 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316510 | 7612199 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316511 | 7596419 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 316512 | 7602181 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316514 | 7612239 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316515 | 7602266 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316515 | 7596426 | | 48 |
| <i>Corchorus aff. incanus</i> | PU | 316516 | 7596872 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316517 | 7596438 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316517 | 7596446 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316520 | 7602143 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 316522 | 7608861 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316523 | 7612175 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 316524 | 7612097 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316526 | 7596435 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316526 | 7608866 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316527 | 7596428 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316530 | 7612154 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316531 | 7602166 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316535 | 7596895 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316537 | 7612081 | | |
| <i>Corchorus aff. incanus</i> | PU | 316541 | 7612132 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316543 | 7617763 | WM043 | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316546 | 7612107 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316548 | 7595941 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316549 | 7596895 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 316551 | 7613924 | WM048 | |
| <i>Corchorus aff. incanus</i> | PU | 316551 | 7602151 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316551 | 7596011 | | 22 |
| <i>Corchorus aff. incanus</i> | PU | 316553 | 7612089 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316554 | 7612072 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316554 | 7596409 | | 44 |
| <i>Corchorus aff. incanus</i> | PU | 316556 | 7587113 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316556 | 7611876 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316566 | 7614769 | | |
| <i>Corchorus aff. incanus</i> | PU | 316568 | 7602170 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316573 | 7602098 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 316576 | 7595921 | | 33 |
| <i>Corchorus aff. incanus</i> | PU | 316576 | 7602335 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316582 | 7602137 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316584 | 7602127 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316587 | 7595970 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316588 | 7596016 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316588 | 7596009 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316589 | 7602094 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 316589 | 7598095 | WD054 | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316591 | 7602159 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316594 | 7596294 | | 27 |
| <i>Corchorus aff. incanus</i> | PU | 316595 | 7595998 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316597 | 7596107 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 316598 | 7596276 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316598 | 7595946 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 316602 | 7596067 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 316605 | 7602082 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316606 | 7596888 | | 44 |
| <i>Corchorus aff. incanus</i> | PU | 316607 | 7596091 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316616 | 7596099 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316619 | 7596092 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316621 | 7602038 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316621 | 7602094 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316633 | 7596894 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 316643 | 7596919 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 316645 | 7611953 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316645 | 7595973 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316646 | 7596114 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316647 | 7602036 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316650 | 7611729 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316651 | 7587052 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316651 | 7595963 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316654 | 7596927 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316659 | 7596912 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316660 | 7617675 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 316669 | 7596921 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316674 | 7598232 | | 150 |
| <i>Corchorus aff. incanus</i> | PU | 316686 | 7595973 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316691 | 7596937 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 316695 | 7615017 | CspM15 | 335 |
| <i>Corchorus aff. incanus</i> | PU | 316697 | 7596618 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316717 | 7613954 | | |
| <i>Corchorus aff. incanus</i> | PU | 316725 | 7617612 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316726 | 7588992 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 316748 | 7596024 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316752 | 7596070 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316752 | 7596093 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316756 | 7596048 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 316756 | 7604743 | | 200 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316765 | 7586898 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 316769 | 7617555 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316774 | 7617420 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316776 | 7600581 | WK037 | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316787 | 7600921 | CspDC1 | 154 |
| <i>Corchorus aff. incanus</i> | PU | 316798 | 7604150 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316812 | 7599848 | Csp38 | 242 |
| <i>Corchorus aff. incanus</i> | PU | 316823 | 7617400 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316832 | 7601350 | Csp13 | 71 |
| <i>Corchorus aff. incanus</i> | PU | 316856 | 7595971 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316859 | 7595816 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316864 | 7595864 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 316893 | 7617348 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316894 | 7618642 | WM022 | |
| <i>Corchorus aff. incanus</i> | PU | 316901 | 7596202 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316906 | 7595845 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316906 | 7614811 | | |
| <i>Corchorus aff. incanus</i> | PU | 316910 | 7596053 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316913 | 7598111 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316914 | 7596004 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316915 | 7596071 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316917 | 7617283 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 316917 | 7617430 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316921 | 7595824 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316922 | 7596038 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 316923 | 7601958 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316924 | 7595994 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 316926 | 7617078 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 316946 | 7596768 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316946 | 7596784 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 316947 | 7595842 | | 161 |
| <i>Corchorus aff. incanus</i> | PU | 316948 | 7596057 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 316951 | 7588604 | CspM04 | 213 |
| <i>Corchorus aff. incanus</i> | PU | 316954 | 7596743 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316957 | 7596897 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 316959 | 7611021 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 316963 | 7596622 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 316964 | 7616218 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 316968 | 7596465 | | 65 |
| <i>Corchorus aff. incanus</i> | PU | 316968 | 7596088 | | 15 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 316984 | 7595814 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 316984 | 7596734 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316986 | 7596767 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316986 | 7596715 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316987 | 7596738 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316993 | 7596709 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316993 | 7596627 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316994 | 7595877 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 316994 | 7596435 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 316995 | 7596844 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316995 | 7596751 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316995 | 7596608 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316996 | 7596649 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316997 | 7596803 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 316998 | 7596864 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316999 | 7596916 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 316999 | 7596902 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317000 | 7615460 | | |
| <i>Corchorus aff. incanus</i> | PU | 317000 | 7596000 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317001 | 7597000 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317001 | 7594697 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317003 | 7596874 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317003 | 7596814 | | 200 |
| <i>Corchorus aff. incanus</i> | PU | 317003 | 7596109 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317003 | 7595844 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317004 | 7596142 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317005 | 7595789 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317007 | 7596880 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317007 | 7596565 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317008 | 7596124 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317010 | 7596014 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317012 | 7616236 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317018 | 7595713 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317021 | 7596812 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317023 | 7596829 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317025 | 7596849 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317025 | 7595745 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317026 | 7596002 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 317029 | 7590005 | CspM06 | 9 |
| <i>Corchorus aff. incanus</i> | PU | 317039 | 7596850 | | 50 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--------------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317039 | 7595999 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317040 | 7596883 | | 25 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317043 | 7596123 | | 6 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317045 | 7596819 | | 45 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317045 | 7596023 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317045 | 7596006 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317045 | 7596094 | | 12 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317045 | 7596895 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317046 | 7595799 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317046 | 7596964 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317046 | 7595929 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317048 | 7596567 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317048 | 7595970 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317049 | 7596986 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317050 | 7596523 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317050 | 7596322 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317051 | 7596552 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317051 | 7595790 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317052 | 7595852 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317052 | 7596735 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317053 | 7596988 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317053 | 7596207 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317054 | 7596220 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317054 | 7596385 | | 9 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317054 | 7596484 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317055 | 7596941 | | 8 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317055 | 7596047 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317057 | 7596260 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317058 | 7595726 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317059 | 7596171 | | 40 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317065 | 7595885 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317078 | 7596225 | | 8 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317080 | 7594876 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317080 | 7596028 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317082 | 7596623 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317085 | 7596584 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317088 | 7596606 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317089 | 7596094 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317090 | 7596129 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317091 | 7596156 | | 100 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317091 | 7596651 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317091 | 7595296 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317091 | 7596187 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317094 | 7596501 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317094 | 7596001 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317094 | 7595694 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317095 | 7596540 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 317096 | 7595658 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317097 | 7596560 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317098 | 7596067 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317098 | 7595550 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317098 | 7596104 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317101 | 7596459 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 317102 | 7595258 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317102 | 7595741 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317103 | 7596480 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317103 | 7595504 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317106 | 7596637 | | 23 |
| <i>Corchorus aff. incanus</i> | PU | 317106 | 7596294 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317106 | 7596266 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317106 | 7596436 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 317108 | 7596605 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317110 | 7596407 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317111 | 7595818 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317111 | 7596001 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317113 | 7595858 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317114 | 7595129 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317116 | 7596343 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317117 | 7596372 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317117 | 7595783 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317118 | 7596321 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317120 | 7596357 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317122 | 7596387 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317122 | 7596411 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 317123 | 7596597 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317127 | 7595070 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317129 | 7616571 | WD020 | 200 |
| <i>Corchorus aff. incanus</i> | PU | 317129 | 7596092 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317130 | 7596209 | | 19 |
| <i>Corchorus aff. incanus</i> | PU | 317133 | 7596156 | | 15 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--------------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317134 | 7596312 | | 32 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317135 | 7596615 | | 7 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317136 | 7596214 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317136 | 7595126 | | 15 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317137 | 7616260 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317139 | 7616213 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317140 | 7596604 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317141 | 7596005 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317141 | 7596258 | | 22 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317142 | 7596320 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317142 | 7596151 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317143 | 7596512 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317143 | 7595947 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317145 | 7616578 | CspM13 | 177 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317145 | 7595725 | | 60 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317145 | 7594867 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317145 | 7594896 | | 6 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317146 | 7596407 | | 8 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317147 | 7595039 | | 62 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317147 | 7596022 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317147 | 7595812 | | 19 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317147 | 7595049 | | 60 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317148 | 7596190 | | 16 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317148 | 7595517 | | 73 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317148 | 7596434 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317148 | 7595677 | | 80 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317149 | 7596414 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317149 | 7596467 | | 60 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317149 | 7596289 | | 70 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317150 | 7594874 | | 1 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317150 | 7596486 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317150 | 7596336 | | 11 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317150 | 7596236 | | 11 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317150 | 7595220 | | 23 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317151 | 7595120 | | 9 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317151 | 7596378 | | 4 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317151 | 7595159 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317152 | 7595863 | | 160 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317155 | 7595293 | | 13 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 317156 | 7596363 | | 10 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317157 | 7595966 | | 81 |
| <i>Corchorus aff. incanus</i> | PU | 317158 | 7596122 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317159 | 7596595 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317159 | 7596036 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 317161 | 7596140 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 317163 | 7594973 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317169 | 7595587 | | 91 |
| <i>Corchorus aff. incanus</i> | PU | 317172 | 7591091 | CspM07 | 126 |
| <i>Corchorus aff. incanus</i> | PU | 317172 | 7615887 | CspM14 | 108 |
| <i>Corchorus aff. incanus</i> | PU | 317174 | 7596366 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 317175 | 7595854 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317176 | 7596588 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317176 | 7594847 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317180 | 7595793 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317184 | 7595175 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317184 | 7594966 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317186 | 7596541 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317188 | 7595535 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317189 | 7594874 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317190 | 7595652 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 317191 | 7596552 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 317191 | 7596569 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317192 | 7596401 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317194 | 7595508 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317194 | 7596076 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317194 | 7595703 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 317196 | 7595305 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317199 | 7596536 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317199 | 7596227 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317199 | 7596246 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317200 | 7596197 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317200 | 7596526 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317200 | 7594998 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317201 | 7596372 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317201 | 7615366 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317202 | 7595435 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317203 | 7594353 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317204 | 7596003 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317204 | 7595235 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317205 | 7596003 | | 50 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317207 | 7596336 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317208 | 7596316 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317208 | 7596331 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317208 | 7595674 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317211 | 7595462 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317211 | 7595894 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317213 | 7595568 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317213 | 7595841 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317215 | 7595140 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317215 | 7596289 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317217 | 7595146 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317219 | 7595741 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317219 | 7597540 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317219 | 7595618 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317220 | 7595091 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317225 | 7595935 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317225 | 7595184 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317225 | 7595530 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317228 | 7595838 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317229 | 7595202 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317232 | 7594961 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317235 | 7595179 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317237 | 7595681 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317238 | 7595262 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317238 | 7597552 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317238 | 7594904 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317239 | 7595372 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317239 | 7596026 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317240 | 7596372 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317240 | 7594313 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317243 | 7596452 | | 38 |
| <i>Corchorus aff. incanus</i> | PU | 317243 | 7596117 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317245 | 7596318 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317245 | 7596439 | | 22 |
| <i>Corchorus aff. incanus</i> | PU | 317246 | 7595581 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317246 | 7596360 | | 55 |
| <i>Corchorus aff. incanus</i> | PU | 317246 | 7596041 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317246 | 7595005 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317246 | 7596280 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317247 | 7611686 | | 15 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317247 | 7596219 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317247 | 7596295 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317248 | 7597563 | | 9 |
| <i>Corchorus aff. incanus</i> | PU | 317248 | 7596198 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317248 | 7596405 | | 65 |
| <i>Corchorus aff. incanus</i> | PU | 317249 | 7596497 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317249 | 7596473 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317250 | 7594338 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317250 | 7595033 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317250 | 7596053 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317250 | 7596170 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317251 | 7595393 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317251 | 7596423 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 317252 | 7596335 | | 23 |
| <i>Corchorus aff. incanus</i> | PU | 317252 | 7595153 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317253 | 7595105 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317254 | 7595075 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317254 | 7594746 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317255 | 7611752 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317256 | 7596088 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317257 | 7595751 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317258 | 7594382 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317258 | 7594471 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317258 | 7611720 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317263 | 7595541 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317266 | 7595448 | | 120 |
| <i>Corchorus aff. incanus</i> | PU | 317268 | 7591166 | WD002 | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317272 | 7595568 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317273 | 7597640 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317274 | 7595707 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317279 | 7596309 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317280 | 7596166 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317280 | 7596101 | | 16 |
| <i>Corchorus aff. incanus</i> | PU | 317281 | 7594404 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317282 | 7596132 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317284 | 7594367 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 317285 | 7595469 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317287 | 7596203 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317289 | 7596058 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317290 | 7595514 | | 100 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317290 | 7595678 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317290 | 7595625 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317291 | 7596246 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 317291 | 7596100 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317292 | 7595871 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317294 | 7596536 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317296 | 7595090 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317297 | 7595902 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317297 | 7611659 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317298 | 7596489 | | 80 |
| <i>Corchorus aff. incanus</i> | PU | 317298 | 7596156 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317298 | 7595946 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317298 | 7595548 | | 75 |
| <i>Corchorus aff. incanus</i> | PU | 317298 | 7595365 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317299 | 7595579 | | 55 |
| <i>Corchorus aff. incanus</i> | PU | 317299 | 7611593 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317299 | 7595437 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317300 | 7595132 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317300 | 7591687 | CspM08 | 110 |
| <i>Corchorus aff. incanus</i> | PU | 317302 | 7595823 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317303 | 7595170 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317303 | 7596211 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317303 | 7595040 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317303 | 7595403 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317304 | 7596067 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317304 | 7596137 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317304 | 7611623 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317305 | 7595999 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317306 | 7594314 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317309 | 7596005 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317310 | 7594882 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317310 | 7596185 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317311 | 7595734 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317312 | 7594928 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317312 | 7594952 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317316 | 7594268 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317316 | 7596094 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317319 | 7596445 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317320 | 7595001 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317320 | 7594815 | | 5 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317325 | 7595111 | Csp39 | 168 |
| <i>Corchorus aff. incanus</i> | PU | 317326 | 7596256 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317327 | 7596552 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317330 | 7595904 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317333 | 7597410 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317334 | 7594288 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317334 | 7595048 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 317334 | 7597364 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317335 | 7594963 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317337 | 7594811 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317337 | 7598869 | Csp12 | 39 |
| <i>Corchorus aff. incanus</i> | PU | 317343 | 7596184 | | 21 |
| <i>Corchorus aff. incanus</i> | PU | 317343 | 7596513 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 317344 | 7595570 | | 44 |
| <i>Corchorus aff. incanus</i> | PU | 317344 | 7596128 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317344 | 7597404 | | 17 |
| <i>Corchorus aff. incanus</i> | PU | 317345 | 7596019 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317346 | 7595883 | | 24 |
| <i>Corchorus aff. incanus</i> | PU | 317346 | 7611556 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317347 | 7595467 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317347 | 7596107 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317348 | 7595172 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 317349 | 7595773 | | 86 |
| <i>Corchorus aff. incanus</i> | PU | 317349 | 7595240 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317349 | 7596141 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317349 | 7611655 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317349 | 7596074 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317350 | 7597387 | | 14 |
| <i>Corchorus aff. incanus</i> | PU | 317350 | 7611673 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317350 | 7611578 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317351 | 7597442 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317351 | 7596162 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 317352 | 7595127 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317352 | 7595097 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317352 | 7595427 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317353 | 7596491 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317353 | 7587406 | CspM05 | 38 |
| <i>Corchorus aff. incanus</i> | PU | 317353 | 7596544 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317354 | 7595364 | | 21 |
| <i>Corchorus aff. incanus</i> | PU | 317355 | 7595664 | | 41 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317355 | 7594744 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317355 | 7595272 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317355 | 7594727 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317356 | 7595329 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317356 | 7594767 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317357 | 7596516 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317357 | 7595502 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317360 | 7595803 | Csp09 | 88 |
| <i>Corchorus aff. incanus</i> | PU | 317361 | 7596200 | | 32 |
| <i>Corchorus aff. incanus</i> | PU | 317363 | 7596483 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317364 | 7596551 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317366 | 7597388 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317369 | 7596198 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317370 | 7595911 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317376 | 7595644 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317377 | 7596575 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317377 | 7594525 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317378 | 7596596 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317378 | 7596567 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317380 | 7595995 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317381 | 7597450 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317382 | 7597422 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317383 | 7596041 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317384 | 7596614 | Csp10 | 173 |
| <i>Corchorus aff. incanus</i> | PU | 317384 | 7597411 | WJ007 | |
| <i>Corchorus aff. incanus</i> | PU | 317386 | 7597673 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317389 | 7596069 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317391 | 7596614 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 317392 | 7594734 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317392 | 7595024 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317393 | 7595884 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317396 | 7595044 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317396 | 7596571 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317398 | 7595991 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317398 | 7595197 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317398 | 7594240 | | 45 |
| <i>Corchorus aff. incanus</i> | PU | 317399 | 7595769 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317401 | 7595611 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317401 | 7591029 | WD003 | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317401 | 7596623 | | 50 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317402 | 7594275 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317402 | 7594695 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317404 | 7595382 | | 6 |
| <i>Corchorus aff. incanus</i> | PU | 317404 | 7595258 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317404 | 7594781 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317405 | 7595720 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317406 | 7595148 | | 7 |
| <i>Corchorus aff. incanus</i> | PU | 317406 | 7594921 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317407 | 7595850 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317407 | 7594335 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317407 | 7596222 | WC005 | |
| <i>Corchorus aff. incanus</i> | PU | 317408 | 7596600 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317410 | 7595548 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317411 | 7595674 | | 35 |
| <i>Corchorus aff. incanus</i> | PU | 317411 | 7595412 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317412 | 7595815 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317413 | 7595974 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317414 | 7596501 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317414 | 7594663 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317415 | 7596520 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317416 | 7596565 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317416 | 7594628 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317417 | 7594858 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317420 | 7595447 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317421 | 7596672 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317422 | 7595483 | | 70 |
| <i>Corchorus aff. incanus</i> | PU | 317422 | 7596635 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317424 | 7595925 | | 53 |
| <i>Corchorus aff. incanus</i> | PU | 317425 | 7596201 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317426 | 7595524 | | 75 |
| <i>Corchorus aff. incanus</i> | PU | 317427 | 7595996 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317428 | 7596008 | | 18 |
| <i>Corchorus aff. incanus</i> | PU | 317429 | 7596465 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317430 | 7595560 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317430 | 7597754 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317433 | 7598924 | WM001 | |
| <i>Corchorus aff. incanus</i> | PU | 317434 | 7595681 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317435 | 7595917 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317436 | 7596538 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317437 | 7597771 | | 4 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317437 | 7595611 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317437 | 7594700 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317439 | 7595857 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317441 | 7595553 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317441 | 7595248 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317442 | 7596043 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317443 | 7596510 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317443 | 7594755 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317444 | 7596059 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317444 | 7596460 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317444 | 7594726 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317447 | 7596088 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317447 | 7596158 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317448 | 7595827 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317448 | 7596609 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317449 | 7595461 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317451 | 7595356 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317451 | 7594873 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 317452 | 7594777 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317453 | 7596582 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317455 | 7594720 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317456 | 7596664 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317459 | 7594669 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317462 | 7595408 | | 100 |
| <i>Corchorus aff. incanus</i> | PU | 317463 | 7596696 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317472 | 7612395 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317475 | 7596700 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317480 | 7598967 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317482 | 7593277 | CspM09 | 137 |
| <i>Corchorus aff. incanus</i> | PU | 317489 | 7595723 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317489 | 7594903 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317490 | 7594926 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317491 | 7593807 | WJ011 | |
| <i>Corchorus aff. incanus</i> | PU | 317491 | 7593807 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317493 | 7594692 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317496 | 7594879 | | 60 |
| <i>Corchorus aff. incanus</i> | PU | 317497 | 7594654 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317503 | 7594781 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317505 | 7594811 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317527 | 7596334 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------------|-------------|---------|----------|----------|-----------|
| <i>Corchorus aff. incanus</i> | PU | 317535 | 7594739 | | 2 |
| <i>Corchorus aff. incanus</i> | PU | 317536 | 7594785 | | 110 |
| <i>Corchorus aff. incanus</i> | PU | 317547 | 7594679 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317570 | 7593845 | Csp08 | 63 |
| <i>Corchorus aff. incanus</i> | PU | 317596 | 7612449 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317603 | 7594526 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317644 | 7611645 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317646 | 7611590 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317647 | 7611570 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317650 | 7612641 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317674 | 7612683 | | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317699 | 7612629 | | 30 |
| <i>Corchorus aff. incanus</i> | PU | 317699 | 7612736 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317700 | 7611738 | | 13 |
| <i>Corchorus aff. incanus</i> | PU | 317700 | 7611644 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317700 | 7612693 | | 20 |
| <i>Corchorus aff. incanus</i> | PU | 317701 | 7612661 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317702 | 7611715 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317704 | 7611677 | | 50 |
| <i>Corchorus aff. incanus</i> | PU | 317707 | 7611769 | | 4 |
| <i>Corchorus aff. incanus</i> | PU | 317729 | 7611757 | WC062 | 1 |
| <i>Corchorus aff. incanus</i> | PU | 317734 | 7611681 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317734 | 7612635 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317737 | 7596495 | WC003 | |
| <i>Corchorus aff. incanus</i> | PU | 317740 | 7612691 | | 11 |
| <i>Corchorus aff. incanus</i> | PU | 317750 | 7611786 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317750 | 7611714 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317750 | 7611752 | | 40 |
| <i>Corchorus aff. incanus</i> | PU | 317900 | 7611850 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317902 | 7611799 | | 25 |
| <i>Corchorus aff. incanus</i> | PU | 317902 | 7611827 | | 8 |
| <i>Corchorus aff. incanus</i> | PU | 317905 | 7611778 | | 12 |
| <i>Corchorus aff. incanus</i> | PU | 317932 | 7611749 | | 10 |
| <i>Corchorus aff. incanus</i> | PU | 317941 | 7611772 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 317943 | 7611745 | | 15 |
| <i>Corchorus aff. incanus</i> | PU | 317944 | 7611755 | | 5 |
| <i>Corchorus aff. incanus</i> | PU | 318000 | 7611651 | | 3 |
| <i>Corchorus aff. incanus</i> | PU | 318089 | 7596896 | | 21 |
| <i>Corchorus aff. incanus</i> | PU | 318094 | 7596946 | | 31 |
| <i>Corchorus aff. incanus</i> | PU | 318098 | 7596973 | | 33 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--|-------------|---------|----------|----------|-----------|
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318105 | 7596956 | Csp11 | 135 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318131 | 7597615 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318141 | 7596840 | | |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318143 | 7596848 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318144 | 7596888 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318146 | 7596919 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318150 | 7596900 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318152 | 7596946 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318156 | 7596926 | | 30 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318159 | 7596850 | | 50 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318159 | 7596872 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318162 | 7596897 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318166 | 7596909 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318167 | 7596960 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318169 | 7597754 | CspM20 | 74 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318190 | 7596951 | | 23 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318192 | 7596922 | | 14 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318192 | 7596860 | | 112 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318225 | 7597495 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318228 | 7597553 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318231 | 7597521 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318231 | 7597485 | | 2 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318240 | 7597495 | | 10 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318244 | 7597552 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318248 | 7597500 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318252 | 7597566 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318256 | 7597508 | | 5 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318268 | 7597512 | | 3 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318289 | 7597499 | | 53 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318293 | 7597590 | | 54 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318339 | 7597478 | | 20 |
| <i>Corchorus</i> aff. <i>incanus</i> | PU | 318854 | 7608512 | | 1 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 304945 | 7628954 | | 300 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 316161 | 7588065 | | 15 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317108 | 7588161 | | 10 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317309 | 7588113 | | 20 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317312 | 7587940 | | 100 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--|-------------|---------|----------|----------|-----------|
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317396 | 7589828 | | 5 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317493 | 7588377 | WC011 | 100 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317592 | 7587388 | | 100 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317614 | 7587294 | | 100 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317708 | 7589588 | | 100 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317713 | 7587295 | | 50 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317838 | 7589538 | | 100 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317901 | 7586744 | | 100 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317919 | 7588940 | | 50 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317923 | 7586889 | | 100 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 317961 | 7589262 | | 200 |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) | P2 | 318421 | 7590159 | WM007 | |
| <i>Euphorbia clementii</i> | P3 | 295017 | 7641577 | | 5 |
| <i>Euphorbia clementii</i> | P3 | 310247 | 7604228 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 310272 | 7603962 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 310441 | 7604108 | | 40 |
| <i>Euphorbia clementii</i> | P3 | 310687 | 7603855 | | 45 |
| <i>Euphorbia clementii</i> | P3 | 310763 | 7603766 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 310772 | 7603750 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 310825 | 7603748 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 311378 | 7605838 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 311593 | 7603964 | | 25 |
| <i>Euphorbia clementii</i> | P3 | 311620 | 7603945 | | 25 |
| <i>Euphorbia clementii</i> | P3 | 311949 | 7606385 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 312258 | 7606766 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 312279 | 7606782 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 312325 | 7602878 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 312326 | 7606812 | WD018 | 1 |
| <i>Euphorbia clementii</i> | P3 | 312427 | 7602955 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 312523 | 7603071 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 312580 | 7602938 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|----------------------------|-------------|---------|----------|----------|-----------|
| <i>Euphorbia clementii</i> | P3 | 312583 | 7602903 | | 5 |
| <i>Euphorbia clementii</i> | P3 | 312684 | 7602975 | | 6 |
| <i>Euphorbia clementii</i> | P3 | 312791 | 7601019 | WE047 | 6 |
| <i>Euphorbia clementii</i> | P3 | 312936 | 7603066 | | 15 |
| <i>Euphorbia clementii</i> | P3 | 312940 | 7601892 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 312948 | 7608820 | WW107 | 1 |
| <i>Euphorbia clementii</i> | P3 | 312952 | 7601864 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 312955 | 7603111 | | 9 |
| <i>Euphorbia clementii</i> | P3 | 312965 | 7602983 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 312966 | 7602919 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 312968 | 7603177 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 312972 | 7603018 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 313009 | 7602985 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 313041 | 7603005 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 313045 | 7593956 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 313049 | 7601970 | | 5 |
| <i>Euphorbia clementii</i> | P3 | 313079 | 7603200 | | 15 |
| <i>Euphorbia clementii</i> | P3 | 313092 | 7603126 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 313107 | 7602967 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 313112 | 7602967 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 313120 | 7601637 | WE007 | 40 |
| <i>Euphorbia clementii</i> | P3 | 313121 | 7603079 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 313124 | 7603282 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 313126 | 7603251 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 313130 | 7602912 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 313140 | 7602960 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 313144 | 7603071 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 313147 | 7603168 | | 20 |
| <i>Euphorbia clementii</i> | P3 | 313157 | 7593943 | WM038 | 20 |
| <i>Euphorbia clementii</i> | P3 | 313166 | 7603277 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 313197 | 7601785 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 313208 | 7603333 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 313209 | 7603300 | | 5 |
| <i>Euphorbia clementii</i> | P3 | 313249 | 7603125 | | 5 |
| <i>Euphorbia clementii</i> | P3 | 316996 | 7604753 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317050 | 7604786 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317052 | 7604780 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 317104 | 7604686 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317153 | 7604653 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317253 | 7604142 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|----------------------------|-------------|---------|----------|----------|-----------|
| <i>Euphorbia clementii</i> | P3 | 317300 | 7605372 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317588 | 7603897 | | 15 |
| <i>Euphorbia clementii</i> | P3 | 317595 | 7603960 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317597 | 7603941 | | 8 |
| <i>Euphorbia clementii</i> | P3 | 317600 | 7603881 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 317601 | 7603890 | | 13 |
| <i>Euphorbia clementii</i> | P3 | 317602 | 7603860 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317606 | 7603903 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 317695 | 7603941 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317900 | 7600723 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317905 | 7600713 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 317910 | 7602961 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 317925 | 7600706 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 317934 | 7600703 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 317997 | 7601572 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318000 | 7602764 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318002 | 7602711 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318027 | 7601862 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 318040 | 7601969 | | 20 |
| <i>Euphorbia clementii</i> | P3 | 318043 | 7602261 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318047 | 7602869 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318052 | 7602089 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318058 | 7605554 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 318059 | 7601978 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318062 | 7601960 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 318062 | 7601936 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 318062 | 7601953 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 318069 | 7602710 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318071 | 7605570 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 318073 | 7601931 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318079 | 7602761 | | 7 |
| <i>Euphorbia clementii</i> | P3 | 318080 | 7602733 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 318086 | 7605553 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318100 | 7602234 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318101 | 7602817 | | 35 |
| <i>Euphorbia clementii</i> | P3 | 318106 | 7602787 | | 13 |
| <i>Euphorbia clementii</i> | P3 | 318106 | 7603001 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318109 | 7602203 | | 5 |
| <i>Euphorbia clementii</i> | P3 | 318116 | 7602873 | | 11 |
| <i>Euphorbia clementii</i> | P3 | 318117 | 7602223 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--|-------------|---------|----------|----------|-----------|
| <i>Euphorbia clementii</i> | P3 | 318120 | 7602195 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 318122 | 7602373 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 318123 | 7602181 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 318123 | 7602832 | | 40 |
| <i>Euphorbia clementii</i> | P3 | 318132 | 7602126 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318142 | 7602192 | | 3 |
| <i>Euphorbia clementii</i> | P3 | 318143 | 7602807 | | 60 |
| <i>Euphorbia clementii</i> | P3 | 318144 | 7602989 | | 8 |
| <i>Euphorbia clementii</i> | P3 | 318145 | 7602380 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318145 | 7602837 | | 60 |
| <i>Euphorbia clementii</i> | P3 | 318150 | 7602862 | | 2 |
| <i>Euphorbia clementii</i> | P3 | 318153 | 7602842 | | 5 |
| <i>Euphorbia clementii</i> | P3 | 318153 | 7602823 | | 30 |
| <i>Euphorbia clementii</i> | P3 | 318168 | 7602866 | | 25 |
| <i>Euphorbia clementii</i> | P3 | 318168 | 7602927 | | 7 |
| <i>Euphorbia clementii</i> | P3 | 318186 | 7602865 | | 32 |
| <i>Euphorbia clementii</i> | P3 | 318195 | 7602879 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 318202 | 7603041 | | 18 |
| <i>Euphorbia clementii</i> | P3 | 318220 | 7603059 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 318232 | 7602862 | | 30 |
| <i>Euphorbia clementii</i> | P3 | 318246 | 7601246 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318249 | 7603052 | | 8 |
| <i>Euphorbia clementii</i> | P3 | 318258 | 7603048 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 318262 | 7602874 | | 6 |
| <i>Euphorbia clementii</i> | P3 | 318297 | 7599976 | | 10 |
| <i>Euphorbia clementii</i> | P3 | 318353 | 7603598 | | 4 |
| <i>Euphorbia clementii</i> | P3 | 318638 | 7607523 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318663 | 7600408 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318692 | 7606609 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318710 | 7607532 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 318824 | 7606543 | | 1 |
| <i>Euphorbia clementii</i> | P3 | 319727 | 7602554 | WJ015 | |
| <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> | P2 | 314041 | 7603488 | WC026 | |
| <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> | P2 | 316266 | 7601661 | WC036 | |
| <i>Goodenia pedicellata</i> | P1 | 304670 | 7604634 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 305258 | 7604805 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 305651 | 7604398 | | 80 |
| <i>Goodenia pedicellata</i> | P1 | 305673 | 7604451 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 305681 | 7604584 | | 150 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 305692 | 7605223 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 305722 | 7601281 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 305739 | 7601072 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 305764 | 7601438 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 305845 | 7604686 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 305907 | 7605136 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 306061 | 7605306 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 306100 | 7605347 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 306187 | 7605228 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 306331 | 7605871 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306420 | 7605405 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 306456 | 7605888 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 306470 | 7605998 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306472 | 7605798 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 306495 | 7605556 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 306496 | 7606021 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306505 | 7606011 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306523 | 7604839 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 306535 | 7606005 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306537 | 7605971 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306547 | 7606020 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306556 | 7605946 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306560 | 7605927 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306567 | 7605913 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306572 | 7606029 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306574 | 7605954 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306581 | 7606016 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306584 | 7606006 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306585 | 7605988 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306589 | 7605971 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306741 | 7604685 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 306860 | 7605268 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 306877 | 7604409 | | 80 |
| <i>Goodenia pedicellata</i> | P1 | 306903 | 7605287 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 307042 | 7604447 | | 80 |
| <i>Goodenia pedicellata</i> | P1 | 307044 | 7604979 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 307077 | 7604444 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 307102 | 7604965 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 307324 | 7604835 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 307353 | 7604644 | | 200 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 307376 | 7604294 | | 600 |
| <i>Goodenia pedicellata</i> | P1 | 307387 | 7604341 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 307432 | 7604756 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 307437 | 7604392 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 307471 | 7604598 | | 90 |
| <i>Goodenia pedicellata</i> | P1 | 307472 | 7604276 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 307474 | 7604771 | | 600 |
| <i>Goodenia pedicellata</i> | P1 | 307516 | 7604286 | | 250 |
| <i>Goodenia pedicellata</i> | P1 | 307539 | 7604483 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 307675 | 7604175 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 307677 | 7604770 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 307750 | 7604891 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 307813 | 7604836 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 307835 | 7604304 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 307846 | 7604317 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 307846 | 7604383 | | 600 |
| <i>Goodenia pedicellata</i> | P1 | 307872 | 7604394 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 307876 | 7604342 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 307900 | 7604379 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 307901 | 7604421 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 307935 | 7604420 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 307948 | 7604598 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 308022 | 7604452 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 308841 | 7603280 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 308853 | 7603095 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 308858 | 7603170 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 308886 | 7603250 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 308904 | 7603248 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 308920 | 7603280 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 308927 | 7603101 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 308928 | 7603153 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 308932 | 7603247 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 308934 | 7603053 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 308945 | 7602642 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 308959 | 7603158 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 308959 | 7603078 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 308964 | 7602754 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309003 | 7603031 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 309003 | 7603101 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309064 | 7602402 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 309079 | 7597635 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309090 | 7597519 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309093 | 7597618 | | 160 |
| <i>Goodenia pedicellata</i> | P1 | 309096 | 7603083 | | 250 |
| <i>Goodenia pedicellata</i> | P1 | 309097 | 7602590 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 309097 | 7602456 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 309098 | 7603098 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309101 | 7602548 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 309102 | 7602622 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 309102 | 7602717 | | 450 |
| <i>Goodenia pedicellata</i> | P1 | 309103 | 7602469 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309103 | 7603025 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309103 | 7602788 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309104 | 7602574 | | 5,000 |
| <i>Goodenia pedicellata</i> | P1 | 309104 | 7602926 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 309106 | 7602654 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309107 | 7602875 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 309137 | 7602844 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309148 | 7602940 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309150 | 7602976 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 309154 | 7602516 | | 3,000 |
| <i>Goodenia pedicellata</i> | P1 | 309163 | 7602584 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309166 | 7603527 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309168 | 7603553 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 309173 | 7602474 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309177 | 7602513 | | 80 |
| <i>Goodenia pedicellata</i> | P1 | 309177 | 7603587 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 309181 | 7603530 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 309194 | 7602465 | | 400 |
| <i>Goodenia pedicellata</i> | P1 | 309195 | 7603544 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 309206 | 7602617 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 309212 | 7602649 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 309241 | 7602679 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 309246 | 7602706 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309246 | 7602585 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309248 | 7602562 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309250 | 7602630 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309250 | 7602610 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 309251 | 7602421 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 309252 | 7602741 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 309253 | 7602767 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 309262 | 7602866 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 309296 | 7602655 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 309298 | 7602728 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309300 | 7602694 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 309301 | 7602798 | | 150 |
| <i>Goodenia pedicellata</i> | P1 | 309302 | 7602572 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 309303 | 7602744 | | 400 |
| <i>Goodenia pedicellata</i> | P1 | 309304 | 7602600 | | 3,000 |
| <i>Goodenia pedicellata</i> | P1 | 309470 | 7602180 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 309573 | 7602191 | | 3,000 |
| <i>Goodenia pedicellata</i> | P1 | 309580 | 7599205 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 309616 | 7602923 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309626 | 7599191 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309633 | 7602467 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309654 | 7602809 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 309655 | 7602932 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 309675 | 7602740 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 309675 | 7602931 | | 150 |
| <i>Goodenia pedicellata</i> | P1 | 309684 | 7602869 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 309692 | 7602625 | | 5,000 |
| <i>Goodenia pedicellata</i> | P1 | 309694 | 7602668 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 309705 | 7602699 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 309708 | 7602742 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 309708 | 7602667 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 309710 | 7602787 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 309920 | 7602312 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 309949 | 7602351 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 310075 | 7602518 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 310105 | 7602529 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 310360 | 7602275 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 310368 | 7602303 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 310492 | 7602056 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 310510 | 7603222 | | 12 |
| <i>Goodenia pedicellata</i> | P1 | 310594 | 7601986 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 310669 | 7601991 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 310711 | 7602301 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 310812 | 7602236 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 310852 | 7602261 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 310875 | 7602549 | | 26 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 310893 | 7602462 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 310897 | 7602783 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 310902 | 7602159 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 310916 | 7602211 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 310957 | 7602128 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 310975 | 7602111 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 311028 | 7603540 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 311042 | 7602154 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 311177 | 7605417 | | 150 |
| <i>Goodenia pedicellata</i> | P1 | 311191 | 7603229 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 311226 | 7603418 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 311254 | 7602470 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 311281 | 7602498 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 311321 | 7605259 | | 150 |
| <i>Goodenia pedicellata</i> | P1 | 311378 | 7603330 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 311481 | 7603409 | | 51 |
| <i>Goodenia pedicellata</i> | P1 | 311582 | 7603900 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 311618 | 7603071 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 311722 | 7603323 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 311729 | 7602652 | | 14 |
| <i>Goodenia pedicellata</i> | P1 | 311809 | 7602748 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 311825 | 7602795 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 311845 | 7602772 | | 32 |
| <i>Goodenia pedicellata</i> | P1 | 311908 | 7602975 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 311919 | 7602915 | | 28 |
| <i>Goodenia pedicellata</i> | P1 | 312003 | 7605999 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 312032 | 7603365 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 312100 | 7605752 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 312117 | 7604021 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 312201 | 7603873 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 312210 | 7603806 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 312465 | 7604462 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 312483 | 7604515 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 312515 | 7604411 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 312525 | 7604516 | | 400 |
| <i>Goodenia pedicellata</i> | P1 | 312567 | 7604386 | | 2,000 |
| <i>Goodenia pedicellata</i> | P1 | 312588 | 7604450 | | 600 |
| <i>Goodenia pedicellata</i> | P1 | 312607 | 7604408 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 312649 | 7604269 | | 600 |
| <i>Goodenia pedicellata</i> | P1 | 312658 | 7604214 | | 1,000 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 312698 | 7604248 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 312699 | 7604293 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 312714 | 7604294 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 312740 | 7604304 | | 5,000 |
| <i>Goodenia pedicellata</i> | P1 | 312743 | 7604252 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 312791 | 7604264 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 312798 | 7604194 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 312827 | 7604270 | | 1,000 |
| <i>Goodenia pedicellata</i> | P1 | 312843 | 7604331 | | 5,000 |
| <i>Goodenia pedicellata</i> | P1 | 312892 | 7604300 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 312905 | 7604342 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 312947 | 7604285 | | 800 |
| <i>Goodenia pedicellata</i> | P1 | 312975 | 7604293 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 312994 | 7604338 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 313826 | 7604593 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 313833 | 7604646 | | 150 |
| <i>Goodenia pedicellata</i> | P1 | 314250 | 7607096 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 314304 | 7606825 | | 200 |
| <i>Goodenia pedicellata</i> | P1 | 314350 | 7606840 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314351 | 7606884 | | 45 |
| <i>Goodenia pedicellata</i> | P1 | 314356 | 7606864 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314401 | 7606907 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314401 | 7606922 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 314403 | 7606735 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 314439 | 7606894 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 314454 | 7606884 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 314454 | 7606840 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 314455 | 7606234 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 314463 | 7606259 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 314466 | 7606664 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 314471 | 7606244 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 314474 | 7606724 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314482 | 7606695 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 314489 | 7606937 | | 57 |
| <i>Goodenia pedicellata</i> | P1 | 314494 | 7606692 | | 29 |
| <i>Goodenia pedicellata</i> | P1 | 314499 | 7606672 | | 38 |
| <i>Goodenia pedicellata</i> | P1 | 314513 | 7606714 | | 28 |
| <i>Goodenia pedicellata</i> | P1 | 314542 | 7606696 | | 16 |
| <i>Goodenia pedicellata</i> | P1 | 314545 | 7606952 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 314551 | 7606927 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 314552 | 7606980 | | 44 |
| <i>Goodenia pedicellata</i> | P1 | 314553 | 7606719 | | 26 |
| <i>Goodenia pedicellata</i> | P1 | 314553 | 7607011 | | 65 |
| <i>Goodenia pedicellata</i> | P1 | 314560 | 7607002 | | 57 |
| <i>Goodenia pedicellata</i> | P1 | 314569 | 7607049 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 314571 | 7607022 | | 14 |
| <i>Goodenia pedicellata</i> | P1 | 314578 | 7607014 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 314583 | 7606909 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314583 | 7606899 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314585 | 7606380 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314585 | 7606445 | | 18 |
| <i>Goodenia pedicellata</i> | P1 | 314590 | 7606060 | WE056 | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314592 | 7607028 | | 45 |
| <i>Goodenia pedicellata</i> | P1 | 314593 | 7606401 | | 120 |
| <i>Goodenia pedicellata</i> | P1 | 314595 | 7606951 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 314599 | 7607051 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314601 | 7606355 | | 12 |
| <i>Goodenia pedicellata</i> | P1 | 314601 | 7606930 | | 80 |
| <i>Goodenia pedicellata</i> | P1 | 314602 | 7607083 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314602 | 7606848 | | 45 |
| <i>Goodenia pedicellata</i> | P1 | 314605 | 7606912 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 314606 | 7606887 | | 150 |
| <i>Goodenia pedicellata</i> | P1 | 314608 | 7606864 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 314609 | 7606830 | | 150 |
| <i>Goodenia pedicellata</i> | P1 | 314612 | 7606386 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314620 | 7607069 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314622 | 7606878 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 314623 | 7606862 | | 90 |
| <i>Goodenia pedicellata</i> | P1 | 314625 | 7606244 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314639 | 7606485 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 314643 | 7606020 | | 45 |
| <i>Goodenia pedicellata</i> | P1 | 314644 | 7606923 | | 67 |
| <i>Goodenia pedicellata</i> | P1 | 314645 | 7606561 | | 277 |
| <i>Goodenia pedicellata</i> | P1 | 314646 | 7606225 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 314653 | 7606369 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 314655 | 7606897 | | 481 |
| <i>Goodenia pedicellata</i> | P1 | 314656 | 7606267 | | 215 |
| <i>Goodenia pedicellata</i> | P1 | 314661 | 7606093 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 314662 | 7605959 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314663 | 7606243 | | 22 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 314671 | 7605980 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314676 | 7606053 | | 79 |
| <i>Goodenia pedicellata</i> | P1 | 314678 | 7606079 | | 160 |
| <i>Goodenia pedicellata</i> | P1 | 314691 | 7606514 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 314695 | 7606960 | | 19 |
| <i>Goodenia pedicellata</i> | P1 | 314696 | 7606341 | | 47 |
| <i>Goodenia pedicellata</i> | P1 | 314696 | 7606491 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314702 | 7606987 | | 18 |
| <i>Goodenia pedicellata</i> | P1 | 314703 | 7606875 | | 17 |
| <i>Goodenia pedicellata</i> | P1 | 314703 | 7606932 | | 19 |
| <i>Goodenia pedicellata</i> | P1 | 314704 | 7605927 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 314704 | 7606911 | | 32 |
| <i>Goodenia pedicellata</i> | P1 | 314710 | 7607046 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 314710 | 7606101 | | 17 |
| <i>Goodenia pedicellata</i> | P1 | 314713 | 7605991 | | 85 |
| <i>Goodenia pedicellata</i> | P1 | 314719 | 7605978 | | 75 |
| <i>Goodenia pedicellata</i> | P1 | 314723 | 7605955 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 314723 | 7606009 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 314727 | 7606519 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 314728 | 7606092 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314728 | 7606036 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314729 | 7606959 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314731 | 7606112 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314732 | 7606897 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 314735 | 7606089 | | 65 |
| <i>Goodenia pedicellata</i> | P1 | 314736 | 7607072 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 314737 | 7606044 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314737 | 7605990 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 314737 | 7606015 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314738 | 7606127 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314740 | 7606327 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 314749 | 7606914 | | 120 |
| <i>Goodenia pedicellata</i> | P1 | 314750 | 7606427 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 314751 | 7606443 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 314751 | 7606104 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314752 | 7606188 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314752 | 7606093 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314754 | 7606693 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314754 | 7606002 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 314755 | 7606074 | | 5 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 314757 | 7606055 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314760 | 7606209 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314760 | 7606986 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314765 | 7606425 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314765 | 7606409 | | 70 |
| <i>Goodenia pedicellata</i> | P1 | 314766 | 7606960 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314770 | 7605995 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314770 | 7606681 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 314770 | 7607040 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314771 | 7606557 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 314773 | 7606573 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 314773 | 7606923 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314777 | 7606359 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 314781 | 7606387 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314787 | 7606387 | | 112 |
| <i>Goodenia pedicellata</i> | P1 | 314796 | 7606638 | | 110 |
| <i>Goodenia pedicellata</i> | P1 | 314804 | 7606328 | | 39 |
| <i>Goodenia pedicellata</i> | P1 | 314810 | 7606166 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 314813 | 7606356 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 314820 | 7606789 | | 12 |
| <i>Goodenia pedicellata</i> | P1 | 314822 | 7606756 | | 19 |
| <i>Goodenia pedicellata</i> | P1 | 314839 | 7607014 | | 34 |
| <i>Goodenia pedicellata</i> | P1 | 314846 | 7606246 | | 51 |
| <i>Goodenia pedicellata</i> | P1 | 314852 | 7606219 | | 13 |
| <i>Goodenia pedicellata</i> | P1 | 314881 | 7606746 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 314881 | 7606931 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314883 | 7606131 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 314888 | 7606948 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314890 | 7606202 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 314892 | 7606147 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 314892 | 7606116 | | 130 |
| <i>Goodenia pedicellata</i> | P1 | 314895 | 7606034 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 314895 | 7606063 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 314898 | 7606233 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 314901 | 7606085 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314901 | 7606253 | | 18 |
| <i>Goodenia pedicellata</i> | P1 | 314902 | 7606134 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 314905 | 7606148 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 314909 | 7606119 | | 500 |
| <i>Goodenia pedicellata</i> | P1 | 314913 | 7606170 | | 20 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 314914 | 7606080 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 314915 | 7606235 | | 70 |
| <i>Goodenia pedicellata</i> | P1 | 314918 | 7606091 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 314919 | 7606135 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 314921 | 7606158 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 314921 | 7606895 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 314923 | 7606152 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 314930 | 7606232 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 314937 | 7606219 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 314938 | 7606262 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 314942 | 7606704 | | 9 |
| <i>Goodenia pedicellata</i> | P1 | 314948 | 7606471 | | 116 |
| <i>Goodenia pedicellata</i> | P1 | 314951 | 7606140 | | 280 |
| <i>Goodenia pedicellata</i> | P1 | 314955 | 7606201 | | 18 |
| <i>Goodenia pedicellata</i> | P1 | 314955 | 7606859 | | 22 |
| <i>Goodenia pedicellata</i> | P1 | 314961 | 7606319 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 314962 | 7606491 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 314963 | 7606520 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 314997 | 7606958 | | 49 |
| <i>Goodenia pedicellata</i> | P1 | 314999 | 7607026 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 315002 | 7606343 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 315005 | 7606231 | | 110 |
| <i>Goodenia pedicellata</i> | P1 | 315011 | 7606291 | | 144 |
| <i>Goodenia pedicellata</i> | P1 | 315016 | 7606952 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 315036 | 7606975 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 315040 | 7606515 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315043 | 7606119 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315054 | 7606723 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315054 | 7606138 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315058 | 7606154 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315059 | 7606552 | | 9 |
| <i>Goodenia pedicellata</i> | P1 | 315061 | 7606107 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315075 | 7606162 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315086 | 7606173 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 315089 | 7606198 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315094 | 7606146 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315098 | 7606647 | | 17 |
| <i>Goodenia pedicellata</i> | P1 | 315099 | 7606719 | | 26 |
| <i>Goodenia pedicellata</i> | P1 | 315099 | 7606065 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315103 | 7606168 | | 15 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 315103 | 7606333 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315108 | 7606099 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 315157 | 7606317 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315190 | 7606723 | | 70 |
| <i>Goodenia pedicellata</i> | P1 | 315196 | 7608152 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315200 | 7606494 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315213 | 7606701 | | 70 |
| <i>Goodenia pedicellata</i> | P1 | 315226 | 7608173 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 315244 | 7608271 | | 70 |
| <i>Goodenia pedicellata</i> | P1 | 315250 | 7608175 | | 300 |
| <i>Goodenia pedicellata</i> | P1 | 315251 | 7608158 | | 32 |
| <i>Goodenia pedicellata</i> | P1 | 315255 | 7608302 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 315255 | 7607924 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315279 | 7608172 | | 55 |
| <i>Goodenia pedicellata</i> | P1 | 315286 | 7608175 | | 75 |
| <i>Goodenia pedicellata</i> | P1 | 315300 | 7607981 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315349 | 7607915 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 315351 | 7608009 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 315354 | 7607931 | | 120 |
| <i>Goodenia pedicellata</i> | P1 | 315385 | 7604810 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315386 | 7604783 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315386 | 7604793 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315393 | 7608021 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315394 | 7605011 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315396 | 7608240 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315396 | 7608037 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315397 | 7604756 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 315405 | 7608156 | | 12 |
| <i>Goodenia pedicellata</i> | P1 | 315420 | 7605053 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 315429 | 7604949 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315435 | 7604969 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 315444 | 7608055 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315447 | 7604886 | | 13 |
| <i>Goodenia pedicellata</i> | P1 | 315450 | 7608022 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315450 | 7605717 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315451 | 7608081 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 315458 | 7604949 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 315482 | 7605035 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315498 | 7607697 | | 34 |
| <i>Goodenia pedicellata</i> | P1 | 315501 | 7604917 | | 43 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 315501 | 7605046 | | 28 |
| <i>Goodenia pedicellata</i> | P1 | 315502 | 7607699 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 315503 | 7604893 | | 31 |
| <i>Goodenia pedicellata</i> | P1 | 315505 | 7604710 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315506 | 7604707 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315507 | 7605055 | | 27 |
| <i>Goodenia pedicellata</i> | P1 | 315509 | 7604879 | | 9 |
| <i>Goodenia pedicellata</i> | P1 | 315511 | 7607686 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 315514 | 7605360 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 315518 | 7604872 | | 13 |
| <i>Goodenia pedicellata</i> | P1 | 315518 | 7607669 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315519 | 7607673 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 315522 | 7604695 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315529 | 7605735 | | 22 |
| <i>Goodenia pedicellata</i> | P1 | 315537 | 7604659 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315541 | 7604671 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315548 | 7607688 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315548 | 7604851 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315551 | 7604839 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315558 | 7605713 | | 29 |
| <i>Goodenia pedicellata</i> | P1 | 315562 | 7604787 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315563 | 7604765 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315569 | 7604926 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315570 | 7605234 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315574 | 7604779 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315580 | 7605548 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 315582 | 7605577 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315587 | 7604752 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315588 | 7605030 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315591 | 7604768 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 315591 | 7605022 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315593 | 7605789 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 315608 | 7605547 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315610 | 7604748 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315611 | 7605569 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315615 | 7604775 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315620 | 7605561 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315623 | 7605523 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315625 | 7605351 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315642 | 7604905 | | 57 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 315645 | 7604762 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315647 | 7605761 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 315647 | 7605744 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315647 | 7605711 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315649 | 7605389 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 315651 | 7605681 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 315651 | 7605545 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315651 | 7605370 | | 70 |
| <i>Goodenia pedicellata</i> | P1 | 315653 | 7605484 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315691 | 7604982 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315694 | 7605150 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315698 | 7605592 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315699 | 7605401 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 315701 | 7605504 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315701 | 7605487 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315701 | 7605617 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 315704 | 7605466 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 315705 | 7605025 | | 70 |
| <i>Goodenia pedicellata</i> | P1 | 315710 | 7605127 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 315712 | 7605275 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315720 | 7605304 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315736 | 7605296 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 315764 | 7604825 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 315767 | 7605277 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315772 | 7605292 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 315780 | 7604830 | | 16 |
| <i>Goodenia pedicellata</i> | P1 | 315794 | 7605287 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315803 | 7605061 | | 12 |
| <i>Goodenia pedicellata</i> | P1 | 315815 | 7605291 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 315816 | 7607647 | | 45 |
| <i>Goodenia pedicellata</i> | P1 | 315819 | 7605452 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 315831 | 7605262 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315834 | 7605124 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315837 | 7605188 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 315837 | 7605049 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 315840 | 7605322 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315844 | 7605161 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315844 | 7604959 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 315849 | 7604886 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315850 | 7605109 | | 50 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 315853 | 7604924 | | 13 |
| <i>Goodenia pedicellata</i> | P1 | 315855 | 7605259 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315858 | 7605073 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315858 | 7607500 | | 245 |
| <i>Goodenia pedicellata</i> | P1 | 315864 | 7605038 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315868 | 7605020 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315874 | 7604781 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315875 | 7607765 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315877 | 7604780 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315887 | 7605022 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 315888 | 7604815 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 315894 | 7604781 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315896 | 7605240 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 315896 | 7604905 | WJ024 | 50 |
| <i>Goodenia pedicellata</i> | P1 | 315897 | 7607636 | | 190 |
| <i>Goodenia pedicellata</i> | P1 | 315901 | 7605353 | | 22 |
| <i>Goodenia pedicellata</i> | P1 | 315905 | 7604893 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 315905 | 7604797 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 315908 | 7604928 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315909 | 7604983 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315912 | 7604778 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 315947 | 7605198 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 315950 | 7605038 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 315951 | 7605384 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 315952 | 7605167 | | 11 |
| <i>Goodenia pedicellata</i> | P1 | 315969 | 7607543 | | 28 |
| <i>Goodenia pedicellata</i> | P1 | 315991 | 7605072 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315994 | 7605192 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 315995 | 7605204 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 315995 | 7607890 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 315996 | 7604727 | | 12 |
| <i>Goodenia pedicellata</i> | P1 | 315996 | 7605215 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 315997 | 7604736 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 316001 | 7607606 | | 9 |
| <i>Goodenia pedicellata</i> | P1 | 316002 | 7604890 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 316006 | 7605090 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 316006 | 7604948 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 316015 | 7605222 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 316018 | 7605209 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 316024 | 7607625 | | |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 316030 | 7605122 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 316035 | 7604883 | | 1 |
| <i>Goodenia pedicellata</i> | P1 | 316038 | 7604875 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 316038 | 7604872 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 316039 | 7607714 | | 29 |
| <i>Goodenia pedicellata</i> | P1 | 316041 | 7605218 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 316042 | 7604869 | | 6 |
| <i>Goodenia pedicellata</i> | P1 | 316043 | 7604855 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 316047 | 7604855 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 316049 | 7605149 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 316049 | 7607640 | | 124 |
| <i>Goodenia pedicellata</i> | P1 | 316051 | 7604875 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 316053 | 7607616 | | 50 |
| <i>Goodenia pedicellata</i> | P1 | 316060 | 7604920 | | 19 |
| <i>Goodenia pedicellata</i> | P1 | 316062 | 7605205 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 316064 | 7604899 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 316068 | 7605237 | | 25 |
| <i>Goodenia pedicellata</i> | P1 | 316074 | 7604773 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 316078 | 7604894 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 316081 | 7605259 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 316102 | 7605076 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 316102 | 7607806 | | 8 |
| <i>Goodenia pedicellata</i> | P1 | 316104 | 7605075 | | 7 |
| <i>Goodenia pedicellata</i> | P1 | 316105 | 7605307 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 316117 | 7607823 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 316143 | 7607561 | | 20 |
| <i>Goodenia pedicellata</i> | P1 | 316150 | 7605158 | | 2 |
| <i>Goodenia pedicellata</i> | P1 | 316151 | 7607734 | | 35 |
| <i>Goodenia pedicellata</i> | P1 | 316154 | 7607728 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 316158 | 7605251 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 316161 | 7607812 | | 10 |
| <i>Goodenia pedicellata</i> | P1 | 316169 | 7607742 | | 90 |
| <i>Goodenia pedicellata</i> | P1 | 316176 | 7607768 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 316195 | 7605410 | | 3 |
| <i>Goodenia pedicellata</i> | P1 | 316237 | 7607782 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 316245 | 7607785 | | 90 |
| <i>Goodenia pedicellata</i> | P1 | 316247 | 7607783 | | 100 |
| <i>Goodenia pedicellata</i> | P1 | 316250 | 7605173 | | 71 |
| <i>Goodenia pedicellata</i> | P1 | 316297 | 7607684 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 316352 | 7604564 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--|-------------|---------|----------|----------|-----------|
| <i>Goodenia pedicellata</i> | P1 | 316353 | 7604546 | | 40 |
| <i>Goodenia pedicellata</i> | P1 | 316354 | 7604555 | | 60 |
| <i>Goodenia pedicellata</i> | P1 | 316354 | 7605089 | | 15 |
| <i>Goodenia pedicellata</i> | P1 | 316387 | 7604833 | | 55 |
| <i>Goodenia pedicellata</i> | P1 | 316399 | 7604655 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 316402 | 7604681 | | 4 |
| <i>Goodenia pedicellata</i> | P1 | 316410 | 7605253 | | 5 |
| <i>Goodenia pedicellata</i> | P1 | 316459 | 7607737 | | 30 |
| <i>Goodenia pedicellata</i> | P1 | 317629 | 7606758 | | 35 |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 311937 | 7615722 | WC045 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 311939 | 7614752 | WK051 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312150 | 7614536 | WC050 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312215 | 7611768 | WE051 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312216 | 7613544 | WD050 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312432 | 7616248 | WC047R | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312730 | 7616436 | WK052 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312775 | 7615710 | WC049 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312777 | 7619688 | WD032 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312791 | 7601019 | WE047 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312895 | 7616030 | WC048 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312938 | 7595653 | WM039 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 312998 | 7617562 | WK056 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313032 | 7600575 | WE046 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313056 | 7613023 | WJ050 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313105 | 7598714 | WC014 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313177 | 7594814 | WM037 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313192 | 7606191 | WC019 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313293 | 7616542 | WK053 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313406 | 7612307 | WE027 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313589 | 7606893 | WE038 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313679 | 7607622 | WW128 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313694 | 7618219 | WE052 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313734 | 7599521 | | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313786 | 7612001 | WE029 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313794 | 7614782 | WW78 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313814 | 7619407 | WJ069 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 313928 | 7589364 | WD046 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 314042 | 7610907 | WJ052 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 314064 | 7614112 | WJ041 | |
| <i>Heliotropium</i> aff. <i>argyrium</i> | PU | 314070 | 7590074 | WD048 | |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--|-------------|---------|----------|----------|-----------|
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314103 | 7616044 | WK057 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314180 | 7599312 | WC016 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314191 | 7619709 | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314207 | 7619776 | WJ068 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314218 | 7613199 | WW73 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314233 | 7612696 | WW66 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314278 | 7614395 | WW77 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314279 | 7592690 | WW49 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314310 | 7619802 | WJ067 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314317 | 7608388 | WK043 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314351 | 7613580 | WW71 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314397 | 7613067 | WW74 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314436 | 7606326 | WE055 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314491 | 7617427 | WM026 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314535 | 7614274 | WW83 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314590 | 7606060 | WE056 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314626 | 7599991 | WD055 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314665 | 7613857 | WW81 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314742 | 7612850 | WW70 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314745 | 7618505 | WM024 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314748 | 7605590 | WK025 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314783 | 7599035 | WK019 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314791 | 7613019 | WW72 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314792 | 7599765 | WC012 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314896 | 7610280 | WC055 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314939 | 7616448 | WD034 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 314940 | 7619134 | WM023 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315022 | 7591220 | WK010 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315023 | 7619964 | WD026 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315034 | 7617947 | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315034 | 7617947 | WM025 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315038 | 7588110 | WD009 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315046 | 7612117 | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315067 | 7606858 | WK028 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315072 | 7614024 | WE030 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315130 | 7615296 | WW64 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315134 | 7589693 | WD053 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315148 | 7609913 | WC056R | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315161 | 7587469 | WD010 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315223 | 7615538 | WW85 | |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|--|-------------|---------|----------|----------|-----------|
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315251 | 7614848 | WW69 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315278 | 7592407 | WW45 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315306 | 7612253 | WJ045 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315372 | 7599732 | WC015 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315374 | 7600029 | WC013 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315385 | 7604859 | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315462 | 7613063 | WE032 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315462 | 7606515 | WK029 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315462 | 7589058 | WD016 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315495 | 7620134 | WJ056 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315562 | 7612436 | WJ044 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315607 | 7616251 | WM027 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315624 | 7589010 | WD015 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315855 | 7606758 | WK030 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315896 | 7604905 | WJ024 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315930 | 7619495 | WM018 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315968 | 7591262 | WK007 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315971 | 7605883 | WK031 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315975 | 7614738 | WW88 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 315993 | 7598041 | WK015 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316019 | 7620552 | WJ062 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316041 | 7588487 | WD017 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316054 | 7607390 | WC031 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316075 | 7611829 | WE034 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316107 | 7607582 | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316120 | 7612054 | WE035 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316189 | 7604162 | WE018 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316217 | 7598174 | WK016 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316308 | 7614418 | WW89 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316390 | 7619308 | WM019 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316420 | 7615237 | WW37 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316435 | 7612104 | WE033 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316543 | 7617763 | WM043 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316699 | 7594088 | WK003 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316793 | 7619948 | WD025 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316797 | 7611185 | WK065 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316906 | 7614811 | WW92 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 316964 | 7616218 | | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 317000 | 7615460 | WW90 | |
| <i>Heliotropium</i> aff. <i>argyreum</i> | PU | 317035 | 7588147 | WD014 | |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-----------------------------------|-------------|---------|----------|----------|-----------|
| <i>Heliotropium aff. argyreum</i> | PU | 317129 | 7616571 | WD020 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317169 | 7620016 | WD023 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317182 | 7605372 | WJ028 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317187 | 7617161 | WM045 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317252 | 7601242 | WK034 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317268 | 7591166 | WD002 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317269 | 7614488 | WM046 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317291 | 7596422 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 317294 | 7596536 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 317326 | 7590624 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 317339 | 7597455 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 317382 | 7605088 | WK071 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317384 | 7597411 | WJ007 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317391 | 7600309 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 317407 | 7596222 | WC005 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317433 | 7598924 | WM001 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317491 | 7593807 | WJ011 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317609 | 7599317 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 317860 | 7587976 | WM013 | |
| <i>Heliotropium aff. argyreum</i> | PU | 317892 | 7605436 | WK047 | |
| <i>Heliotropium aff. argyreum</i> | PU | 318130 | 7602315 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 318500 | 7590672 | | |
| <i>Heliotropium aff. argyreum</i> | PU | 319245 | 7596995 | WD040 | |
| <i>Heliotropium aff. argyreum</i> | PU | 319406 | 7596193 | WJ076 | |
| <i>Heliotropium aff. argyreum</i> | PU | 319450 | 7608285 | WE021 | |
| <i>Heliotropium aff. argyreum</i> | PU | 319489 | 7608013 | WJ036 | |
| <i>Heliotropium aff. argyreum</i> | PU | 319849 | 7599195 | WD039 | |
| <i>Heliotropium aff. argyreum</i> | PU | 319926 | 7597798 | WM034 | |
| <i>Kohautia australiensis</i> | P2 | 312831 | 7611805 | WE025 | |
| <i>Kohautia australiensis</i> | P2 | 314748 | 7605590 | WK025 | |
| <i>Kohautia australiensis</i> | P2 | 315067 | 7606858 | WK028 | |
| <i>Kohautia australiensis</i> | P2 | 315234 | 7605268 | WJ022 | |
| <i>Kohautia australiensis</i> | P2 | 315944 | 7604739 | | |
| <i>Kohautia australiensis</i> | P2 | 317892 | 7605436 | WK047 | |
| <i>Lepidium amelum</i> | P1 | 304592 | 7605006 | | 7 |
| <i>Lepidium amelum</i> | P1 | 304679 | 7604883 | | 26 |
| <i>Lepidium amelum</i> | P1 | 304688 | 7604903 | | 18 |
| <i>Lepidium amelum</i> | P1 | 304706 | 7604891 | | 3 |
| <i>Lepidium amelum</i> | P1 | 304732 | 7604853 | | 20 |
| <i>Lepidium amelum</i> | P1 | 304761 | 7604789 | | 12 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 304766 | 7604880 | | 1 |
| <i>Lepidium amelum</i> | P1 | 304781 | 7604786 | | 21 |
| <i>Lepidium amelum</i> | P1 | 304801 | 7604794 | | 2 |
| <i>Lepidium amelum</i> | P1 | 304836 | 7604936 | | 33 |
| <i>Lepidium amelum</i> | P1 | 304840 | 7604761 | | 54 |
| <i>Lepidium amelum</i> | P1 | 304844 | 7604750 | | 63 |
| <i>Lepidium amelum</i> | P1 | 304849 | 7604961 | | 36 |
| <i>Lepidium amelum</i> | P1 | 304856 | 7604959 | | 100 |
| <i>Lepidium amelum</i> | P1 | 304866 | 7604989 | | 17 |
| <i>Lepidium amelum</i> | P1 | 304867 | 7604758 | | 11 |
| <i>Lepidium amelum</i> | P1 | 304867 | 7604960 | | 40 |
| <i>Lepidium amelum</i> | P1 | 304871 | 7605017 | | 11 |
| <i>Lepidium amelum</i> | P1 | 304871 | 7605000 | | 10 |
| <i>Lepidium amelum</i> | P1 | 304889 | 7604788 | | 4 |
| <i>Lepidium amelum</i> | P1 | 304896 | 7605035 | | 71 |
| <i>Lepidium amelum</i> | P1 | 304916 | 7604986 | | 15 |
| <i>Lepidium amelum</i> | P1 | 304931 | 7604756 | | 102 |
| <i>Lepidium amelum</i> | P1 | 304932 | 7604757 | | 73 |
| <i>Lepidium amelum</i> | P1 | 304934 | 7604771 | | 16 |
| <i>Lepidium amelum</i> | P1 | 304935 | 7604755 | | 109 |
| <i>Lepidium amelum</i> | P1 | 304936 | 7604761 | | 119 |
| <i>Lepidium amelum</i> | P1 | 304937 | 7604752 | | 155 |
| <i>Lepidium amelum</i> | P1 | 304938 | 7605032 | | 60 |
| <i>Lepidium amelum</i> | P1 | 304938 | 7604749 | | 184 |
| <i>Lepidium amelum</i> | P1 | 304940 | 7604750 | | 160 |
| <i>Lepidium amelum</i> | P1 | 304941 | 7604798 | | 7 |
| <i>Lepidium amelum</i> | P1 | 304941 | 7604784 | | 57 |
| <i>Lepidium amelum</i> | P1 | 304942 | 7604997 | | 26 |
| <i>Lepidium amelum</i> | P1 | 304942 | 7604734 | | 37 |
| <i>Lepidium amelum</i> | P1 | 304945 | 7604812 | | 1 |
| <i>Lepidium amelum</i> | P1 | 304947 | 7604767 | | 33 |
| <i>Lepidium amelum</i> | P1 | 304948 | 7604743 | | 12 |
| <i>Lepidium amelum</i> | P1 | 304949 | 7604777 | | 24 |
| <i>Lepidium amelum</i> | P1 | 304950 | 7604760 | | 14 |
| <i>Lepidium amelum</i> | P1 | 304958 | 7604740 | | 36 |
| <i>Lepidium amelum</i> | P1 | 304960 | 7605045 | | 6 |
| <i>Lepidium amelum</i> | P1 | 304969 | 7604797 | | 40 |
| <i>Lepidium amelum</i> | P1 | 304974 | 7604810 | | 27 |
| <i>Lepidium amelum</i> | P1 | 304974 | 7605031 | | 28 |
| <i>Lepidium amelum</i> | P1 | 304987 | 7605037 | | 17 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 304993 | 7604822 | | 114 |
| <i>Lepidium amelum</i> | P1 | 305036 | 7604769 | | 73 |
| <i>Lepidium amelum</i> | P1 | 305036 | 7604756 | | 55 |
| <i>Lepidium amelum</i> | P1 | 305037 | 7604777 | | 67 |
| <i>Lepidium amelum</i> | P1 | 305038 | 7604744 | | 157 |
| <i>Lepidium amelum</i> | P1 | 305046 | 7604753 | | 57 |
| <i>Lepidium amelum</i> | P1 | 305047 | 7604767 | | 17 |
| <i>Lepidium amelum</i> | P1 | 305050 | 7604792 | | 44 |
| <i>Lepidium amelum</i> | P1 | 305053 | 7604784 | | 2 |
| <i>Lepidium amelum</i> | P1 | 305054 | 7604793 | | 18 |
| <i>Lepidium amelum</i> | P1 | 305070 | 7604811 | | 129 |
| <i>Lepidium amelum</i> | P1 | 305074 | 7604804 | | 20 |
| <i>Lepidium amelum</i> | P1 | 305081 | 7604792 | | 151 |
| <i>Lepidium amelum</i> | P1 | 305104 | 7604746 | | 176 |
| <i>Lepidium amelum</i> | P1 | 305108 | 7604761 | | 71 |
| <i>Lepidium amelum</i> | P1 | 305112 | 7604761 | | 84 |
| <i>Lepidium amelum</i> | P1 | 305116 | 7604734 | | 109 |
| <i>Lepidium amelum</i> | P1 | 305120 | 7604737 | | 108 |
| <i>Lepidium amelum</i> | P1 | 305122 | 7604754 | | 18 |
| <i>Lepidium amelum</i> | P1 | 305127 | 7604743 | | 53 |
| <i>Lepidium amelum</i> | P1 | 305141 | 7604747 | | 19 |
| <i>Lepidium amelum</i> | P1 | 305141 | 7604759 | | 5 |
| <i>Lepidium amelum</i> | P1 | 305163 | 7604763 | | 46 |
| <i>Lepidium amelum</i> | P1 | 305194 | 7604703 | | 85 |
| <i>Lepidium amelum</i> | P1 | 305195 | 7605109 | | 105 |
| <i>Lepidium amelum</i> | P1 | 305197 | 7604847 | | 28 |
| <i>Lepidium amelum</i> | P1 | 305199 | 7604895 | | 10 |
| <i>Lepidium amelum</i> | P1 | 305201 | 7604841 | | 10 |
| <i>Lepidium amelum</i> | P1 | 305201 | 7604698 | | 78 |
| <i>Lepidium amelum</i> | P1 | 305202 | 7605015 | | 40 |
| <i>Lepidium amelum</i> | P1 | 305202 | 7604721 | | 245 |
| <i>Lepidium amelum</i> | P1 | 305204 | 7605020 | | 10 |
| <i>Lepidium amelum</i> | P1 | 305204 | 7605059 | | 33 |
| <i>Lepidium amelum</i> | P1 | 305206 | 7604714 | | 52 |
| <i>Lepidium amelum</i> | P1 | 305206 | 7604744 | | 179 |
| <i>Lepidium amelum</i> | P1 | 305207 | 7604692 | | 146 |
| <i>Lepidium amelum</i> | P1 | 305209 | 7604708 | | 63 |
| <i>Lepidium amelum</i> | P1 | 305215 | 7604717 | | 25 |
| <i>Lepidium amelum</i> | P1 | 305216 | 7604706 | | 81 |
| <i>Lepidium amelum</i> | P1 | 305217 | 7604696 | | 88 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 305219 | 7604909 | | 2 |
| <i>Lepidium amelum</i> | P1 | 305221 | 7605038 | | 5 |
| <i>Lepidium amelum</i> | P1 | 305223 | 7604999 | | 2 |
| <i>Lepidium amelum</i> | P1 | 305225 | 7605203 | | 250 |
| <i>Lepidium amelum</i> | P1 | 305226 | 7605187 | | 30 |
| <i>Lepidium amelum</i> | P1 | 305228 | 7604693 | | 208 |
| <i>Lepidium amelum</i> | P1 | 305231 | 7605226 | | 44 |
| <i>Lepidium amelum</i> | P1 | 305232 | 7604812 | | 97 |
| <i>Lepidium amelum</i> | P1 | 305232 | 7604938 | | 6 |
| <i>Lepidium amelum</i> | P1 | 305239 | 7604981 | | 48 |
| <i>Lepidium amelum</i> | P1 | 305241 | 7604716 | | 68 |
| <i>Lepidium amelum</i> | P1 | 305251 | 7604920 | | 25 |
| <i>Lepidium amelum</i> | P1 | 305258 | 7604805 | | 95 |
| <i>Lepidium amelum</i> | P1 | 305259 | 7604771 | | 77 |
| <i>Lepidium amelum</i> | P1 | 305259 | 7604948 | | 16 |
| <i>Lepidium amelum</i> | P1 | 305260 | 7604774 | | 30 |
| <i>Lepidium amelum</i> | P1 | 305266 | 7604752 | | 39 |
| <i>Lepidium amelum</i> | P1 | 305269 | 7604745 | | 41 |
| <i>Lepidium amelum</i> | P1 | 305272 | 7604732 | | 165 |
| <i>Lepidium amelum</i> | P1 | 306100 | 7605347 | | 86 |
| <i>Lepidium amelum</i> | P1 | 306205 | 7605226 | | 18 |
| <i>Lepidium amelum</i> | P1 | 306401 | 7605437 | | 7 |
| <i>Lepidium amelum</i> | P1 | 306420 | 7605856 | | 3 |
| <i>Lepidium amelum</i> | P1 | 306424 | 7605822 | | 6 |
| <i>Lepidium amelum</i> | P1 | 306427 | 7605872 | | 6 |
| <i>Lepidium amelum</i> | P1 | 306456 | 7605888 | | 1 |
| <i>Lepidium amelum</i> | P1 | 306470 | 7605998 | | 5 |
| <i>Lepidium amelum</i> | P1 | 306476 | 7605878 | | 15 |
| <i>Lepidium amelum</i> | P1 | 306495 | 7605757 | | 6 |
| <i>Lepidium amelum</i> | P1 | 306496 | 7606021 | | 101 |
| <i>Lepidium amelum</i> | P1 | 306501 | 7606152 | | 5 |
| <i>Lepidium amelum</i> | P1 | 306502 | 7605909 | | 2 |
| <i>Lepidium amelum</i> | P1 | 306505 | 7606011 | | 107 |
| <i>Lepidium amelum</i> | P1 | 306506 | 7605871 | | 10 |
| <i>Lepidium amelum</i> | P1 | 306510 | 7605880 | | 78 |
| <i>Lepidium amelum</i> | P1 | 306530 | 7605865 | | 3 |
| <i>Lepidium amelum</i> | P1 | 306535 | 7606005 | | 78 |
| <i>Lepidium amelum</i> | P1 | 306537 | 7605971 | | 2 |
| <i>Lepidium amelum</i> | P1 | 306547 | 7606020 | | 17 |
| <i>Lepidium amelum</i> | P1 | 306551 | 7606084 | | 16 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 306554 | 7606096 | | 164 |
| <i>Lepidium amelum</i> | P1 | 306556 | 7605946 | | 33 |
| <i>Lepidium amelum</i> | P1 | 306560 | 7605927 | | 5 |
| <i>Lepidium amelum</i> | P1 | 306561 | 7605901 | | 9 |
| <i>Lepidium amelum</i> | P1 | 306567 | 7605913 | | 89 |
| <i>Lepidium amelum</i> | P1 | 306572 | 7606029 | | 10 |
| <i>Lepidium amelum</i> | P1 | 306573 | 7605899 | | 180 |
| <i>Lepidium amelum</i> | P1 | 306574 | 7605954 | | 18 |
| <i>Lepidium amelum</i> | P1 | 306581 | 7606016 | | 18 |
| <i>Lepidium amelum</i> | P1 | 306584 | 7606006 | | 10 |
| <i>Lepidium amelum</i> | P1 | 306585 | 7605988 | | 75 |
| <i>Lepidium amelum</i> | P1 | 306589 | 7605971 | | 15 |
| <i>Lepidium amelum</i> | P1 | 306629 | 7605839 | | 152 |
| <i>Lepidium amelum</i> | P1 | 306630 | 7605855 | | 8 |
| <i>Lepidium amelum</i> | P1 | 306634 | 7605850 | | 117 |
| <i>Lepidium amelum</i> | P1 | 306640 | 7605851 | | 111 |
| <i>Lepidium amelum</i> | P1 | 306651 | 7605846 | | 106 |
| <i>Lepidium amelum</i> | P1 | 306654 | 7605845 | | 42 |
| <i>Lepidium amelum</i> | P1 | 306672 | 7606166 | | 94 |
| <i>Lepidium amelum</i> | P1 | 306674 | 7606184 | | 46 |
| <i>Lepidium amelum</i> | P1 | 306684 | 7605834 | | 120 |
| <i>Lepidium amelum</i> | P1 | 306696 | 7605851 | | 178 |
| <i>Lepidium amelum</i> | P1 | 306708 | 7605860 | | 61 |
| <i>Lepidium amelum</i> | P1 | 306710 | 7606062 | | 65 |
| <i>Lepidium amelum</i> | P1 | 306712 | 7606068 | | 38 |
| <i>Lepidium amelum</i> | P1 | 306720 | 7606043 | | 6 |
| <i>Lepidium amelum</i> | P1 | 306726 | 7605841 | | 46 |
| <i>Lepidium amelum</i> | P1 | 306731 | 7605829 | | 23 |
| <i>Lepidium amelum</i> | P1 | 306740 | 7605814 | | 10 |
| <i>Lepidium amelum</i> | P1 | 306748 | 7605805 | | 5 |
| <i>Lepidium amelum</i> | P1 | 306754 | 7605776 | | 18 |
| <i>Lepidium amelum</i> | P1 | 306757 | 7605794 | | 112 |
| <i>Lepidium amelum</i> | P1 | 306787 | 7605781 | | 57 |
| <i>Lepidium amelum</i> | P1 | 306801 | 7605767 | | 21 |
| <i>Lepidium amelum</i> | P1 | 306821 | 7605755 | | 95 |
| <i>Lepidium amelum</i> | P1 | 306846 | 7605935 | | 7 |
| <i>Lepidium amelum</i> | P1 | 306863 | 7605766 | | 76 |
| <i>Lepidium amelum</i> | P1 | 306930 | 7605758 | | 15 |
| <i>Lepidium amelum</i> | P1 | 306945 | 7605754 | | 164 |
| <i>Lepidium amelum</i> | P1 | 306951 | 7606049 | | 12 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 306960 | 7606006 | | 40 |
| <i>Lepidium amelum</i> | P1 | 306978 | 7606012 | | 50 |
| <i>Lepidium amelum</i> | P1 | 306979 | 7606038 | | 8 |
| <i>Lepidium amelum</i> | P1 | 306982 | 7605745 | | 123 |
| <i>Lepidium amelum</i> | P1 | 306984 | 7606045 | | 15 |
| <i>Lepidium amelum</i> | P1 | 306988 | 7605932 | | 20 |
| <i>Lepidium amelum</i> | P1 | 306991 | 7606063 | | 16 |
| <i>Lepidium amelum</i> | P1 | 306992 | 7605978 | | 4 |
| <i>Lepidium amelum</i> | P1 | 306995 | 7605911 | | 90 |
| <i>Lepidium amelum</i> | P1 | 306998 | 7605902 | | 27 |
| <i>Lepidium amelum</i> | P1 | 306998 | 7606076 | | 4 |
| <i>Lepidium amelum</i> | P1 | 307010 | 7605884 | | 17 |
| <i>Lepidium amelum</i> | P1 | 307010 | 7605888 | | 22 |
| <i>Lepidium amelum</i> | P1 | 307010 | 7605936 | | 102 |
| <i>Lepidium amelum</i> | P1 | 307016 | 7605945 | | 2 |
| <i>Lepidium amelum</i> | P1 | 307034 | 7606109 | | 44 |
| <i>Lepidium amelum</i> | P1 | 307075 | 7605978 | | 11 |
| <i>Lepidium amelum</i> | P1 | 307110 | 7606055 | | 35 |
| <i>Lepidium amelum</i> | P1 | 307113 | 7606092 | | 20 |
| <i>Lepidium amelum</i> | P1 | 307117 | 7606037 | | 15 |
| <i>Lepidium amelum</i> | P1 | 307123 | 7606063 | | 27 |
| <i>Lepidium amelum</i> | P1 | 307255 | 7606092 | | 1 |
| <i>Lepidium amelum</i> | P1 | 307280 | 7606261 | | 8 |
| <i>Lepidium amelum</i> | P1 | 307306 | 7606265 | | 3 |
| <i>Lepidium amelum</i> | P1 | 307317 | 7606282 | | 11 |
| <i>Lepidium amelum</i> | P1 | 307322 | 7606258 | | 8 |
| <i>Lepidium amelum</i> | P1 | 307330 | 7606299 | | 5 |
| <i>Lepidium amelum</i> | P1 | 307347 | 7604423 | | 1 |
| <i>Lepidium amelum</i> | P1 | 307385 | 7604429 | | 5 |
| <i>Lepidium amelum</i> | P1 | 307391 | 7606277 | | 20 |
| <i>Lepidium amelum</i> | P1 | 307401 | 7604425 | | 1 |
| <i>Lepidium amelum</i> | P1 | 307409 | 7606260 | | 12 |
| <i>Lepidium amelum</i> | P1 | 307420 | 7606262 | | 12 |
| <i>Lepidium amelum</i> | P1 | 307429 | 7606268 | | 7 |
| <i>Lepidium amelum</i> | P1 | 307437 | 7604392 | | 20 |
| <i>Lepidium amelum</i> | P1 | 307451 | 7606282 | | 7 |
| <i>Lepidium amelum</i> | P1 | 307463 | 7604384 | | 7 |
| <i>Lepidium amelum</i> | P1 | 307469 | 7606254 | | 3 |
| <i>Lepidium amelum</i> | P1 | 307475 | 7604372 | | 15 |
| <i>Lepidium amelum</i> | P1 | 307499 | 7604366 | | 8 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 309129 | 7597573 | | 1 |
| <i>Lepidium amelum</i> | P1 | 309652 | 7602812 | | 30 |
| <i>Lepidium amelum</i> | P1 | 309679 | 7602909 | | 5 |
| <i>Lepidium amelum</i> | P1 | 309681 | 7602897 | | 20 |
| <i>Lepidium amelum</i> | P1 | 309684 | 7602869 | | 4 |
| <i>Lepidium amelum</i> | P1 | 309686 | 7602950 | | 10 |
| <i>Lepidium amelum</i> | P1 | 309686 | 7602846 | | 2 |
| <i>Lepidium amelum</i> | P1 | 309689 | 7602883 | | 25 |
| <i>Lepidium amelum</i> | P1 | 309694 | 7602728 | | 40 |
| <i>Lepidium amelum</i> | P1 | 309695 | 7602871 | | 70 |
| <i>Lepidium amelum</i> | P1 | 309695 | 7602856 | | 15 |
| <i>Lepidium amelum</i> | P1 | 309695 | 7602800 | | 1 |
| <i>Lepidium amelum</i> | P1 | 309695 | 7602912 | | 15 |
| <i>Lepidium amelum</i> | P1 | 309696 | 7602898 | | 20 |
| <i>Lepidium amelum</i> | P1 | 309696 | 7602855 | | 15 |
| <i>Lepidium amelum</i> | P1 | 309696 | 7602823 | | 7 |
| <i>Lepidium amelum</i> | P1 | 309701 | 7602841 | | 65 |
| <i>Lepidium amelum</i> | P1 | 309702 | 7602889 | | 15 |
| <i>Lepidium amelum</i> | P1 | 309704 | 7602878 | | 20 |
| <i>Lepidium amelum</i> | P1 | 309705 | 7602699 | | 18 |
| <i>Lepidium amelum</i> | P1 | 309705 | 7602829 | | 50 |
| <i>Lepidium amelum</i> | P1 | 309705 | 7602904 | | 2 |
| <i>Lepidium amelum</i> | P1 | 309707 | 7602798 | | 5 |
| <i>Lepidium amelum</i> | P1 | 309708 | 7602866 | | 25 |
| <i>Lepidium amelum</i> | P1 | 309708 | 7602742 | | 10 |
| <i>Lepidium amelum</i> | P1 | 309708 | 7602679 | | 8 |
| <i>Lepidium amelum</i> | P1 | 309708 | 7602772 | | 5 |
| <i>Lepidium amelum</i> | P1 | 309711 | 7602853 | | 5 |
| <i>Lepidium amelum</i> | P1 | 309712 | 7602638 | | 1 |
| <i>Lepidium amelum</i> | P1 | 309712 | 7602621 | | 20 |
| <i>Lepidium amelum</i> | P1 | 309712 | 7602795 | | 15 |
| <i>Lepidium amelum</i> | P1 | 309712 | 7602842 | | 10 |
| <i>Lepidium amelum</i> | P1 | 309714 | 7602733 | | 65 |
| <i>Lepidium amelum</i> | P1 | 309714 | 7602741 | | 30 |
| <i>Lepidium amelum</i> | P1 | 309714 | 7602726 | | 50 |
| <i>Lepidium amelum</i> | P1 | 309715 | 7602749 | | 5 |
| <i>Lepidium amelum</i> | P1 | 309715 | 7602878 | | 1 |
| <i>Lepidium amelum</i> | P1 | 309715 | 7602825 | | 20 |
| <i>Lepidium amelum</i> | P1 | 309715 | 7602808 | | 10 |
| <i>Lepidium amelum</i> | P1 | 309716 | 7602681 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 309717 | 7602717 | | 60 |
| <i>Lepidium amelum</i> | P1 | 309717 | 7602697 | | 8 |
| <i>Lepidium amelum</i> | P1 | 309717 | 7602707 | | 55 |
| <i>Lepidium amelum</i> | P1 | 309720 | 7602656 | | 2 |
| <i>Lepidium amelum</i> | P1 | 309722 | 7602628 | | 2 |
| <i>Lepidium amelum</i> | P1 | 309723 | 7602736 | | 20 |
| <i>Lepidium amelum</i> | P1 | 309723 | 7602636 | | 3 |
| <i>Lepidium amelum</i> | P1 | 309723 | 7602748 | | 20 |
| <i>Lepidium amelum</i> | P1 | 309724 | 7602780 | | 1 |
| <i>Lepidium amelum</i> | P1 | 309724 | 7602724 | | 15 |
| <i>Lepidium amelum</i> | P1 | 309725 | 7602712 | | 2 |
| <i>Lepidium amelum</i> | P1 | 309727 | 7602812 | | 5 |
| <i>Lepidium amelum</i> | P1 | 309727 | 7602691 | | 1 |
| <i>Lepidium amelum</i> | P1 | 309728 | 7602835 | | 2 |
| <i>Lepidium amelum</i> | P1 | 309851 | 7602295 | | 2 |
| <i>Lepidium amelum</i> | P1 | 309999 | 7602495 | | 12 |
| <i>Lepidium amelum</i> | P1 | 310071 | 7602530 | | 14 |
| <i>Lepidium amelum</i> | P1 | 310116 | 7602531 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310121 | 7602521 | | 12 |
| <i>Lepidium amelum</i> | P1 | 310127 | 7602532 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310139 | 7602528 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310281 | 7602533 | | 50 |
| <i>Lepidium amelum</i> | P1 | 310293 | 7602476 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310300 | 7602521 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310304 | 7602663 | | 40 |
| <i>Lepidium amelum</i> | P1 | 310310 | 7602466 | | 15 |
| <i>Lepidium amelum</i> | P1 | 310325 | 7602445 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310347 | 7602293 | | 12 |
| <i>Lepidium amelum</i> | P1 | 310360 | 7602275 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310368 | 7602303 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310386 | 7602334 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310387 | 7602355 | | 30 |
| <i>Lepidium amelum</i> | P1 | 310395 | 7602340 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310401 | 7602356 | | 11 |
| <i>Lepidium amelum</i> | P1 | 310407 | 7603311 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310411 | 7602348 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310421 | 7602366 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310427 | 7602360 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310436 | 7603273 | | 18 |
| <i>Lepidium amelum</i> | P1 | 310443 | 7602356 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 310443 | 7603256 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310446 | 7603262 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310447 | 7603272 | | 9 |
| <i>Lepidium amelum</i> | P1 | 310449 | 7602297 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310450 | 7603258 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310451 | 7603291 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310451 | 7603276 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310453 | 7603270 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310455 | 7602335 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310457 | 7602348 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310461 | 7603265 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310465 | 7602361 | | 13 |
| <i>Lepidium amelum</i> | P1 | 310468 | 7602366 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310479 | 7602358 | | 7 |
| <i>Lepidium amelum</i> | P1 | 310486 | 7602285 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310488 | 7602330 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310505 | 7602258 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310514 | 7602315 | | 40 |
| <i>Lepidium amelum</i> | P1 | 310525 | 7602075 | | 7 |
| <i>Lepidium amelum</i> | P1 | 310538 | 7602294 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310546 | 7602078 | | 31 |
| <i>Lepidium amelum</i> | P1 | 310556 | 7602089 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310563 | 7602172 | | 9 |
| <i>Lepidium amelum</i> | P1 | 310564 | 7602245 | | 8 |
| <i>Lepidium amelum</i> | P1 | 310575 | 7602218 | | 11 |
| <i>Lepidium amelum</i> | P1 | 310576 | 7602109 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310576 | 7602195 | | 11 |
| <i>Lepidium amelum</i> | P1 | 310577 | 7602272 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310639 | 7603199 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310655 | 7603971 | | 39 |
| <i>Lepidium amelum</i> | P1 | 310658 | 7602225 | | 25 |
| <i>Lepidium amelum</i> | P1 | 310663 | 7603202 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310664 | 7603192 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310666 | 7603256 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310677 | 7603177 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310683 | 7604089 | | 60 |
| <i>Lepidium amelum</i> | P1 | 310687 | 7602279 | | 13 |
| <i>Lepidium amelum</i> | P1 | 310688 | 7604117 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310692 | 7603192 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310695 | 7603990 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 310701 | 7602225 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310711 | 7602301 | | 7 |
| <i>Lepidium amelum</i> | P1 | 310711 | 7603244 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310712 | 7603145 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310715 | 7603266 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310719 | 7603254 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310723 | 7603006 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310727 | 7602975 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310727 | 7603001 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310730 | 7603995 | | 16 |
| <i>Lepidium amelum</i> | P1 | 310735 | 7603109 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310737 | 7602966 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310739 | 7604011 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310739 | 7603150 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310741 | 7602989 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310745 | 7602988 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310746 | 7604018 | | 67 |
| <i>Lepidium amelum</i> | P1 | 310746 | 7602977 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310748 | 7603172 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310752 | 7603066 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310755 | 7604055 | | 15 |
| <i>Lepidium amelum</i> | P1 | 310761 | 7602924 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310764 | 7604046 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310765 | 7602901 | | 7 |
| <i>Lepidium amelum</i> | P1 | 310767 | 7603044 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310769 | 7602934 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310769 | 7603058 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310773 | 7602915 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310783 | 7602884 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310785 | 7603024 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310786 | 7603039 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310787 | 7603110 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310789 | 7603063 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310793 | 7602949 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310795 | 7603177 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310803 | 7603047 | | 12 |
| <i>Lepidium amelum</i> | P1 | 310808 | 7602929 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310812 | 7602236 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310831 | 7602780 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310837 | 7602482 | | 10 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 310840 | 7602471 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310842 | 7602097 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310849 | 7602453 | | 10 |
| <i>Lepidium amelum</i> | P1 | 310852 | 7602261 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310854 | 7602482 | | 21 |
| <i>Lepidium amelum</i> | P1 | 310861 | 7602472 | | 6 |
| <i>Lepidium amelum</i> | P1 | 310866 | 7602452 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310876 | 7602512 | | 4 |
| <i>Lepidium amelum</i> | P1 | 310893 | 7602462 | | 23 |
| <i>Lepidium amelum</i> | P1 | 310896 | 7602973 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310897 | 7602783 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310898 | 7602727 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310901 | 7602422 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310902 | 7602159 | | 25 |
| <i>Lepidium amelum</i> | P1 | 310905 | 7602797 | | 1 |
| <i>Lepidium amelum</i> | P1 | 310916 | 7602211 | | 12 |
| <i>Lepidium amelum</i> | P1 | 310917 | 7602465 | | 15 |
| <i>Lepidium amelum</i> | P1 | 310918 | 7602686 | | 3 |
| <i>Lepidium amelum</i> | P1 | 310924 | 7602421 | | 15 |
| <i>Lepidium amelum</i> | P1 | 310926 | 7602761 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310934 | 7602493 | | 5 |
| <i>Lepidium amelum</i> | P1 | 310945 | 7602418 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310948 | 7602468 | | 14 |
| <i>Lepidium amelum</i> | P1 | 310957 | 7602128 | | 20 |
| <i>Lepidium amelum</i> | P1 | 310967 | 7602795 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310971 | 7602771 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310975 | 7602111 | | 2 |
| <i>Lepidium amelum</i> | P1 | 310983 | 7602444 | | 15 |
| <i>Lepidium amelum</i> | P1 | 311013 | 7602748 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311042 | 7602154 | | 2 |
| <i>Lepidium amelum</i> | P1 | 311122 | 7603370 | | 5 |
| <i>Lepidium amelum</i> | P1 | 311128 | 7603415 | | 4 |
| <i>Lepidium amelum</i> | P1 | 311133 | 7603358 | | 8 |
| <i>Lepidium amelum</i> | P1 | 311167 | 7603417 | | 35 |
| <i>Lepidium amelum</i> | P1 | 311178 | 7603385 | | 16 |
| <i>Lepidium amelum</i> | P1 | 311187 | 7603248 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311190 | 7603155 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311191 | 7603142 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311191 | 7603229 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311198 | 7603173 | | 5 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 311206 | 7603228 | | 13 |
| <i>Lepidium amelum</i> | P1 | 311209 | 7603209 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311226 | 7603418 | | 22 |
| <i>Lepidium amelum</i> | P1 | 311249 | 7603453 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311254 | 7603472 | | 18 |
| <i>Lepidium amelum</i> | P1 | 311268 | 7603479 | | 2 |
| <i>Lepidium amelum</i> | P1 | 311301 | 7603178 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311309 | 7603538 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311320 | 7603174 | | 2 |
| <i>Lepidium amelum</i> | P1 | 311354 | 7603170 | | 8 |
| <i>Lepidium amelum</i> | P1 | 311450 | 7603420 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311510 | 7603359 | | 5 |
| <i>Lepidium amelum</i> | P1 | 311511 | 7602761 | | 14 |
| <i>Lepidium amelum</i> | P1 | 311511 | 7603011 | | 2 |
| <i>Lepidium amelum</i> | P1 | 311522 | 7603762 | | 15 |
| <i>Lepidium amelum</i> | P1 | 311526 | 7602956 | | 2 |
| <i>Lepidium amelum</i> | P1 | 311527 | 7602786 | | 2 |
| <i>Lepidium amelum</i> | P1 | 311530 | 7603382 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311535 | 7602803 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311536 | 7603801 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311549 | 7603039 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311551 | 7603767 | | 6 |
| <i>Lepidium amelum</i> | P1 | 311553 | 7602998 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311557 | 7602769 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311559 | 7602742 | | 6 |
| <i>Lepidium amelum</i> | P1 | 311583 | 7602789 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311583 | 7603167 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311586 | 7602809 | | 4 |
| <i>Lepidium amelum</i> | P1 | 311597 | 7603067 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311605 | 7603607 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311614 | 7603050 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311618 | 7603071 | | 9 |
| <i>Lepidium amelum</i> | P1 | 311696 | 7602639 | | 3 |
| <i>Lepidium amelum</i> | P1 | 311709 | 7602645 | | 1 |
| <i>Lepidium amelum</i> | P1 | 311935 | 7603922 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314397 | 7606588 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314436 | 7606326 | WE055 | 10 |
| <i>Lepidium amelum</i> | P1 | 314452 | 7606746 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314459 | 7606711 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314467 | 7606739 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 314484 | 7606285 | | 13 |
| <i>Lepidium amelum</i> | P1 | 314526 | 7606679 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314528 | 7606595 | | 6 |
| <i>Lepidium amelum</i> | P1 | 314544 | 7606452 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314550 | 7606278 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314551 | 7606405 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314560 | 7606577 | | 23 |
| <i>Lepidium amelum</i> | P1 | 314569 | 7606455 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314578 | 7606259 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314578 | 7606581 | | 12 |
| <i>Lepidium amelum</i> | P1 | 314585 | 7606244 | | 8 |
| <i>Lepidium amelum</i> | P1 | 314590 | 7607117 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314605 | 7607094 | | 12 |
| <i>Lepidium amelum</i> | P1 | 314612 | 7606563 | | 16 |
| <i>Lepidium amelum</i> | P1 | 314613 | 7606326 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314617 | 7606551 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314620 | 7607094 | | 8 |
| <i>Lepidium amelum</i> | P1 | 314620 | 7607069 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314621 | 7606692 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314622 | 7607040 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314625 | 7606244 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314627 | 7606562 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314643 | 7607102 | | 23 |
| <i>Lepidium amelum</i> | P1 | 314646 | 7606495 | | 13 |
| <i>Lepidium amelum</i> | P1 | 314656 | 7606768 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314671 | 7607020 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314691 | 7606514 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314696 | 7606271 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314696 | 7606491 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314701 | 7606539 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314704 | 7606687 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314704 | 7606911 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314708 | 7606133 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314711 | 7606216 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314718 | 7606118 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314719 | 7606208 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314731 | 7606112 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314731 | 7606599 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314732 | 7606897 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314733 | 7606200 | | 1 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 314736 | 7607072 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314738 | 7606127 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314739 | 7606751 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314742 | 7606837 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314747 | 7606654 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314749 | 7606914 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314750 | 7606770 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314752 | 7606188 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314754 | 7606693 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314757 | 7606580 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314759 | 7606882 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314764 | 7606723 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314770 | 7606681 | | 7 |
| <i>Lepidium amelum</i> | P1 | 314773 | 7606590 | | 7 |
| <i>Lepidium amelum</i> | P1 | 314773 | 7606573 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314773 | 7606923 | | 5 |
| <i>Lepidium amelum</i> | P1 | 314775 | 7606790 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314778 | 7606658 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314786 | 7606481 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314787 | 7606440 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314797 | 7606402 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314807 | 7606742 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314807 | 7606723 | | 6 |
| <i>Lepidium amelum</i> | P1 | 314809 | 7606321 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314820 | 7607014 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314820 | 7606391 | | 6 |
| <i>Lepidium amelum</i> | P1 | 314823 | 7606768 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314834 | 7606290 | | 25 |
| <i>Lepidium amelum</i> | P1 | 314834 | 7606324 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314838 | 7606761 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314839 | 7607014 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314839 | 7606747 | | 14 |
| <i>Lepidium amelum</i> | P1 | 314844 | 7606807 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314863 | 7606624 | | 6 |
| <i>Lepidium amelum</i> | P1 | 314864 | 7606827 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314886 | 7606506 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314887 | 7606732 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314895 | 7606063 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314901 | 7606085 | | 8 |
| <i>Lepidium amelum</i> | P1 | 314909 | 7606119 | | 9 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 314914 | 7606259 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314921 | 7606895 | | 7 |
| <i>Lepidium amelum</i> | P1 | 314935 | 7606121 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314939 | 7606236 | | 8 |
| <i>Lepidium amelum</i> | P1 | 314942 | 7606087 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314947 | 7606727 | | 4 |
| <i>Lepidium amelum</i> | P1 | 314949 | 7606864 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314956 | 7606223 | | 2 |
| <i>Lepidium amelum</i> | P1 | 314964 | 7606180 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314968 | 7606319 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314997 | 7606958 | | 1 |
| <i>Lepidium amelum</i> | P1 | 314999 | 7606694 | | 3 |
| <i>Lepidium amelum</i> | P1 | 314999 | 7606725 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315004 | 7606776 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315008 | 7606970 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315010 | 7606623 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315010 | 7606816 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315018 | 7606797 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315019 | 7606121 | | 19 |
| <i>Lepidium amelum</i> | P1 | 315036 | 7606911 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315037 | 7606877 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315037 | 7606688 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315038 | 7606764 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315043 | 7606794 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315046 | 7606850 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315047 | 7606133 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315049 | 7606502 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315049 | 7606819 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315052 | 7606479 | | 35 |
| <i>Lepidium amelum</i> | P1 | 315054 | 7606723 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315059 | 7606552 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315061 | 7606107 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315064 | 7606700 | | 12 |
| <i>Lepidium amelum</i> | P1 | 315065 | 7606705 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315074 | 7606493 | | 35 |
| <i>Lepidium amelum</i> | P1 | 315075 | 7606457 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315076 | 7606525 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315078 | 7606942 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315098 | 7606597 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315098 | 7606647 | | 15 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 315099 | 7606207 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315116 | 7606537 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315125 | 7606706 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315142 | 7606907 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315154 | 7606743 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315191 | 7606748 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315401 | 7605480 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315469 | 7605063 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315470 | 7605033 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315489 | 7605463 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315492 | 7605473 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315501 | 7605046 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315505 | 7605495 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315507 | 7605572 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315507 | 7605055 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315514 | 7605360 | | 180 |
| <i>Lepidium amelum</i> | P1 | 315519 | 7605539 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315522 | 7605554 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315536 | 7604681 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315539 | 7605446 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315541 | 7604671 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315543 | 7604700 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315562 | 7605720 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315565 | 7605400 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315568 | 7605524 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315569 | 7605313 | | 18 |
| <i>Lepidium amelum</i> | P1 | 315576 | 7604944 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315582 | 7605577 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315586 | 7605314 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315591 | 7605025 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315599 | 7605555 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315604 | 7605521 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315608 | 7605547 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315610 | 7605626 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315611 | 7605569 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315614 | 7605467 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315617 | 7605307 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315619 | 7605339 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315620 | 7605561 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315624 | 7605281 | | 2 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 315625 | 7605351 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315630 | 7605477 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315635 | 7604927 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315642 | 7604905 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315648 | 7605595 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315651 | 7605681 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315664 | 7605299 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315691 | 7605277 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315698 | 7605592 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315700 | 7605633 | | 22 |
| <i>Lepidium amelum</i> | P1 | 315701 | 7605302 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315701 | 7605617 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315705 | 7605301 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315710 | 7605127 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315712 | 7605275 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315719 | 7605295 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315720 | 7605304 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315729 | 7605240 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315735 | 7605305 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315736 | 7605296 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315739 | 7605367 | | 20 |
| <i>Lepidium amelum</i> | P1 | 315743 | 7605352 | | 12 |
| <i>Lepidium amelum</i> | P1 | 315745 | 7605248 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315749 | 7605319 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315750 | 7605194 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315751 | 7605395 | | 19 |
| <i>Lepidium amelum</i> | P1 | 315757 | 7605162 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315767 | 7605277 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315772 | 7605292 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315772 | 7605455 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315782 | 7605450 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315783 | 7605425 | | 17 |
| <i>Lepidium amelum</i> | P1 | 315789 | 7605415 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315794 | 7605287 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315794 | 7604948 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315796 | 7605204 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315798 | 7605036 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315802 | 7605440 | | 24 |
| <i>Lepidium amelum</i> | P1 | 315805 | 7605158 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315812 | 7605491 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 315815 | 7605342 | | 9 |
| <i>Lepidium amelum</i> | P1 | 315815 | 7605292 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315815 | 7605291 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315823 | 7605457 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315831 | 7605262 | | 20 |
| <i>Lepidium amelum</i> | P1 | 315831 | 7605339 | | 9 |
| <i>Lepidium amelum</i> | P1 | 315834 | 7605124 | | 20 |
| <i>Lepidium amelum</i> | P1 | 315836 | 7605453 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315837 | 7605049 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315840 | 7605508 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315840 | 7605322 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315840 | 7605348 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315842 | 7605208 | | 25 |
| <i>Lepidium amelum</i> | P1 | 315843 | 7605363 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315844 | 7605235 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315844 | 7605161 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315844 | 7604959 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315845 | 7605497 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315848 | 7605430 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315850 | 7605472 | | 14 |
| <i>Lepidium amelum</i> | P1 | 315851 | 7605488 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315853 | 7605339 | | 21 |
| <i>Lepidium amelum</i> | P1 | 315853 | 7605371 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315854 | 7605523 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315855 | 7605436 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315855 | 7604590 | WJ014 | 1 |
| <i>Lepidium amelum</i> | P1 | 315855 | 7605259 | | 20 |
| <i>Lepidium amelum</i> | P1 | 315856 | 7605195 | | 30 |
| <i>Lepidium amelum</i> | P1 | 315858 | 7605474 | | 15 |
| <i>Lepidium amelum</i> | P1 | 315859 | 7605497 | | 20 |
| <i>Lepidium amelum</i> | P1 | 315860 | 7605486 | | 15 |
| <i>Lepidium amelum</i> | P1 | 315863 | 7605512 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315866 | 7605504 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315867 | 7605224 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315867 | 7605402 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315868 | 7604768 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315868 | 7604782 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315869 | 7604766 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315872 | 7605337 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315874 | 7605446 | | 12 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 315874 | 7604781 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315877 | 7604780 | | 20 |
| <i>Lepidium amelum</i> | P1 | 315877 | 7604803 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315882 | 7605511 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315890 | 7605449 | | 12 |
| <i>Lepidium amelum</i> | P1 | 315894 | 7604781 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315895 | 7605483 | | 14 |
| <i>Lepidium amelum</i> | P1 | 315895 | 7605247 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315896 | 7605180 | | 100 |
| <i>Lepidium amelum</i> | P1 | 315898 | 7605340 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315899 | 7605392 | | 26 |
| <i>Lepidium amelum</i> | P1 | 315899 | 7605362 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315900 | 7605229 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315901 | 7605126 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315903 | 7605507 | | 18 |
| <i>Lepidium amelum</i> | P1 | 315906 | 7605150 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315908 | 7604797 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315912 | 7604778 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315914 | 7605522 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315926 | 7604735 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315930 | 7604787 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315938 | 7605511 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315941 | 7604759 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315941 | 7605216 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315942 | 7605400 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315942 | 7605418 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315944 | 7605129 | | 51 |
| <i>Lepidium amelum</i> | P1 | 315944 | 7604739 | | 30 |
| <i>Lepidium amelum</i> | P1 | 315946 | 7604727 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315947 | 7605386 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315949 | 7605496 | | 12 |
| <i>Lepidium amelum</i> | P1 | 315949 | 7605053 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315949 | 7605444 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315950 | 7607583 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315951 | 7605432 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315951 | 7605093 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315951 | 7604991 | | 4 |
| <i>Lepidium amelum</i> | P1 | 315952 | 7604749 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315953 | 7605466 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315953 | 7604848 | | 7 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 315956 | 7605324 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315957 | 7605334 | | 1 |
| <i>Lepidium amelum</i> | P1 | 315960 | 7604761 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315961 | 7605455 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315961 | 7605517 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315965 | 7604736 | | 30 |
| <i>Lepidium amelum</i> | P1 | 315965 | 7605356 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315967 | 7605380 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315970 | 7604723 | | 20 |
| <i>Lepidium amelum</i> | P1 | 315971 | 7604722 | | 30 |
| <i>Lepidium amelum</i> | P1 | 315974 | 7604743 | | 11 |
| <i>Lepidium amelum</i> | P1 | 315976 | 7604744 | | 8 |
| <i>Lepidium amelum</i> | P1 | 315978 | 7604723 | | 10 |
| <i>Lepidium amelum</i> | P1 | 315979 | 7604713 | | 12 |
| <i>Lepidium amelum</i> | P1 | 315981 | 7604732 | | 25 |
| <i>Lepidium amelum</i> | P1 | 315985 | 7604725 | | 18 |
| <i>Lepidium amelum</i> | P1 | 315986 | 7604751 | | 18 |
| <i>Lepidium amelum</i> | P1 | 315987 | 7605158 | | 6 |
| <i>Lepidium amelum</i> | P1 | 315987 | 7605133 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315992 | 7605383 | | 5 |
| <i>Lepidium amelum</i> | P1 | 315992 | 7605256 | | 3 |
| <i>Lepidium amelum</i> | P1 | 315994 | 7605192 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315995 | 7604737 | | 9 |
| <i>Lepidium amelum</i> | P1 | 315996 | 7604727 | | 2 |
| <i>Lepidium amelum</i> | P1 | 315997 | 7604749 | | 7 |
| <i>Lepidium amelum</i> | P1 | 315999 | 7604703 | | 5 |
| <i>Lepidium amelum</i> | P1 | 316003 | 7605117 | | 15 |
| <i>Lepidium amelum</i> | P1 | 316004 | 7605260 | | 12 |
| <i>Lepidium amelum</i> | P1 | 316004 | 7605243 | | 10 |
| <i>Lepidium amelum</i> | P1 | 316005 | 7604976 | | 6 |
| <i>Lepidium amelum</i> | P1 | 316006 | 7605090 | | 3 |
| <i>Lepidium amelum</i> | P1 | 316007 | 7604725 | | 7 |
| <i>Lepidium amelum</i> | P1 | 316010 | 7604730 | | 8 |
| <i>Lepidium amelum</i> | P1 | 316013 | 7604746 | | 10 |
| <i>Lepidium amelum</i> | P1 | 316015 | 7605222 | | 3 |
| <i>Lepidium amelum</i> | P1 | 316015 | 7604879 | | 4 |
| <i>Lepidium amelum</i> | P1 | 316019 | 7605021 | | 2 |
| <i>Lepidium amelum</i> | P1 | 316022 | 7604892 | | 2 |
| <i>Lepidium amelum</i> | P1 | 316030 | 7604895 | | 1 |
| <i>Lepidium amelum</i> | P1 | 316039 | 7605381 | | 2 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 316055 | 7605243 | | 5 |
| <i>Lepidium amelum</i> | P1 | 316059 | 7605370 | | 6 |
| <i>Lepidium amelum</i> | P1 | 316069 | 7605252 | | 2 |
| <i>Lepidium amelum</i> | P1 | 316075 | 7605375 | | 20 |
| <i>Lepidium amelum</i> | P1 | 316081 | 7605259 | | 1 |
| <i>Lepidium amelum</i> | P1 | 316093 | 7607763 | | 8 |
| <i>Lepidium amelum</i> | P1 | 316108 | 7607796 | | 2 |
| <i>Lepidium amelum</i> | P1 | 316110 | 7607807 | | 2 |
| <i>Lepidium amelum</i> | P1 | 316120 | 7607800 | | 20 |
| <i>Lepidium amelum</i> | P1 | 316120 | 7607809 | | 9 |
| <i>Lepidium amelum</i> | P1 | 316929 | 7617336 | | 10 |
| <i>Lepidium amelum</i> | P1 | 316954 | 7617351 | | 15 |
| <i>Lepidium amelum</i> | P1 | 316962 | 7617352 | | 45 |
| <i>Lepidium amelum</i> | P1 | 316975 | 7617360 | | 20 |
| <i>Lepidium amelum</i> | P1 | 317080 | 7617354 | | 2 |
| <i>Lepidium amelum</i> | P1 | 317316 | 7607053 | | 20 |
| <i>Lepidium amelum</i> | P1 | 317325 | 7607070 | | 10 |
| <i>Lepidium amelum</i> | P1 | 317435 | 7606811 | | 2 |
| <i>Lepidium amelum</i> | P1 | 317463 | 7606735 | | 34 |
| <i>Lepidium amelum</i> | P1 | 317493 | 7606783 | | 21 |
| <i>Lepidium amelum</i> | P1 | 317498 | 7606747 | | 2 |
| <i>Lepidium amelum</i> | P1 | 317541 | 7606726 | | 1 |
| <i>Lepidium amelum</i> | P1 | 317565 | 7606708 | | 8 |
| <i>Lepidium amelum</i> | P1 | 317598 | 7606702 | | 7 |
| <i>Lepidium amelum</i> | P1 | 319172 | 7609710 | | 1 |
| <i>Lepidium amelum</i> | P1 | 319179 | 7609802 | | 2 |
| <i>Lepidium amelum</i> | P1 | 319184 | 7609798 | | 3 |
| <i>Lepidium amelum</i> | P1 | 319186 | 7609791 | | 5 |
| <i>Lepidium amelum</i> | P1 | 319187 | 7609808 | | 3 |
| <i>Lepidium amelum</i> | P1 | 319190 | 7609810 | | 4 |
| <i>Lepidium amelum</i> | P1 | 319191 | 7609778 | | 8 |
| <i>Lepidium amelum</i> | P1 | 319192 | 7609801 | | 2 |
| <i>Lepidium amelum</i> | P1 | 319195 | 7609758 | | 6 |
| <i>Lepidium amelum</i> | P1 | 319195 | 7609787 | | 3 |
| <i>Lepidium amelum</i> | P1 | 319209 | 7609746 | | 85 |
| <i>Lepidium amelum</i> | P1 | 319215 | 7609723 | | 30 |
| <i>Lepidium amelum</i> | P1 | 319218 | 7609768 | | 120 |
| <i>Lepidium amelum</i> | P1 | 319223 | 7609738 | | 52 |
| <i>Lepidium amelum</i> | P1 | 319228 | 7609725 | | 8 |
| <i>Lepidium amelum</i> | P1 | 319229 | 7609709 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|------------------------------|-------------|---------|----------|----------|-----------|
| <i>Lepidium amelum</i> | P1 | 319235 | 7609756 | | 53 |
| <i>Lepidium amelum</i> | P1 | 319287 | 7608992 | | 10 |
| <i>Lepidium amelum</i> | P1 | 319295 | 7609003 | | 70 |
| <i>Lepidium amelum</i> | P1 | 319295 | 7608993 | | 70 |
| <i>Lepidium amelum</i> | P1 | 319296 | 7608982 | | 12 |
| <i>Lepidium amelum</i> | P1 | 319307 | 7609015 | | 3 |
| <i>Lepidium amelum</i> | P1 | 319308 | 7608985 | | 15 |
| <i>Lepidium amelum</i> | P1 | 319309 | 7608997 | | 55 |
| <i>Ptilotus mollis</i> | P4 | 316432 | 7588163 | | 15 |
| <i>Ptilotus mollis</i> | P4 | 316452 | 7588156 | | 50 |
| <i>Stylidium weeliwoilli</i> | P3 | 312009 | 7614989 | | 1 |
| <i>Tribulus minutus</i> | P1 | 305034 | 7604080 | | 25 |
| <i>Tribulus minutus</i> | P1 | 305198 | 7604750 | | 5,000 |
| <i>Tribulus minutus</i> | P1 | 305258 | 7604805 | | 1,000 |
| <i>Tribulus minutus</i> | P1 | 305739 | 7601072 | | 30 |
| <i>Tribulus minutus</i> | P1 | 305764 | 7601438 | | 25 |
| <i>Tribulus minutus</i> | P1 | 306219 | 7604643 | | 60 |
| <i>Tribulus minutus</i> | P1 | 306420 | 7605405 | | 1,000 |
| <i>Tribulus minutus</i> | P1 | 306425 | 7604549 | | 30 |
| <i>Tribulus minutus</i> | P1 | 306645 | 7604532 | | 30 |
| <i>Tribulus minutus</i> | P1 | 306676 | 7605414 | | 500 |
| <i>Tribulus minutus</i> | P1 | 306724 | 7604407 | | 200 |
| <i>Tribulus minutus</i> | P1 | 306741 | 7604685 | | 100 |
| <i>Tribulus minutus</i> | P1 | 306835 | 7604397 | | 100 |
| <i>Tribulus minutus</i> | P1 | 307042 | 7604447 | | 200 |
| <i>Tribulus minutus</i> | P1 | 307141 | 7605040 | | 250 |
| <i>Tribulus minutus</i> | P1 | 307172 | 7604515 | | 50 |
| <i>Tribulus minutus</i> | P1 | 307306 | 7604779 | | 25 |
| <i>Tribulus minutus</i> | P1 | 307320 | 7604467 | | 50 |
| <i>Tribulus minutus</i> | P1 | 307376 | 7604294 | | 100 |
| <i>Tribulus minutus</i> | P1 | 307381 | 7604212 | | 50 |
| <i>Tribulus minutus</i> | P1 | 307387 | 7604341 | | 100 |
| <i>Tribulus minutus</i> | P1 | 307424 | 7604795 | | 200 |
| <i>Tribulus minutus</i> | P1 | 307436 | 7604184 | | 200 |
| <i>Tribulus minutus</i> | P1 | 307437 | 7604392 | | 10 |
| <i>Tribulus minutus</i> | P1 | 307472 | 7604276 | | 20 |
| <i>Tribulus minutus</i> | P1 | 307582 | 7604176 | | 100 |
| <i>Tribulus minutus</i> | P1 | 307595 | 7604297 | | 20 |
| <i>Tribulus minutus</i> | P1 | 307637 | 7604179 | | 50 |
| <i>Tribulus minutus</i> | P1 | 307657 | 7604173 | | 80 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 307755 | 7604307 | | 20 |
| <i>Tribulus minutus</i> | P1 | 307771 | 7604236 | | 100 |
| <i>Tribulus minutus</i> | P1 | 307846 | 7604317 | | 50 |
| <i>Tribulus minutus</i> | P1 | 307846 | 7604383 | | 10 |
| <i>Tribulus minutus</i> | P1 | 307876 | 7604342 | | 80 |
| <i>Tribulus minutus</i> | P1 | 307913 | 7604395 | | 40 |
| <i>Tribulus minutus</i> | P1 | 307935 | 7604420 | | 50 |
| <i>Tribulus minutus</i> | P1 | 308997 | 7602426 | | 100 |
| <i>Tribulus minutus</i> | P1 | 308998 | 7602535 | | 4 |
| <i>Tribulus minutus</i> | P1 | 309044 | 7602561 | | 1 |
| <i>Tribulus minutus</i> | P1 | 309051 | 7602484 | | 34 |
| <i>Tribulus minutus</i> | P1 | 309054 | 7602494 | | 5 |
| <i>Tribulus minutus</i> | P1 | 309055 | 7602478 | | 1 |
| <i>Tribulus minutus</i> | P1 | 309056 | 7602404 | | 11 |
| <i>Tribulus minutus</i> | P1 | 309065 | 7602435 | | 8 |
| <i>Tribulus minutus</i> | P1 | 309095 | 7602532 | | 50 |
| <i>Tribulus minutus</i> | P1 | 309096 | 7602421 | | 100 |
| <i>Tribulus minutus</i> | P1 | 309098 | 7602516 | | 100 |
| <i>Tribulus minutus</i> | P1 | 309098 | 7602492 | | 100 |
| <i>Tribulus minutus</i> | P1 | 309101 | 7602548 | | 15 |
| <i>Tribulus minutus</i> | P1 | 309103 | 7602469 | | 50 |
| <i>Tribulus minutus</i> | P1 | 309104 | 7602574 | | 10 |
| <i>Tribulus minutus</i> | P1 | 309154 | 7602516 | | 250 |
| <i>Tribulus minutus</i> | P1 | 309161 | 7602425 | | 150 |
| <i>Tribulus minutus</i> | P1 | 309177 | 7602513 | | 10 |
| <i>Tribulus minutus</i> | P1 | 309194 | 7602465 | | 5 |
| <i>Tribulus minutus</i> | P1 | 309201 | 7602410 | | 10 |
| <i>Tribulus minutus</i> | P1 | 309203 | 7602585 | | 10 |
| <i>Tribulus minutus</i> | P1 | 309212 | 7602649 | | 10 |
| <i>Tribulus minutus</i> | P1 | 309242 | 7602403 | | 6 |
| <i>Tribulus minutus</i> | P1 | 309250 | 7602641 | | 7 |
| <i>Tribulus minutus</i> | P1 | 309254 | 7602467 | | 11 |
| <i>Tribulus minutus</i> | P1 | 309255 | 7602441 | | 2 |
| <i>Tribulus minutus</i> | P1 | 309257 | 7602529 | | 17 |
| <i>Tribulus minutus</i> | P1 | 309295 | 7602821 | | 100 |
| <i>Tribulus minutus</i> | P1 | 309298 | 7602667 | | 50 |
| <i>Tribulus minutus</i> | P1 | 309300 | 7602694 | | 40 |
| <i>Tribulus minutus</i> | P1 | 309301 | 7602798 | | 50 |
| <i>Tribulus minutus</i> | P1 | 309304 | 7602600 | | 20 |
| <i>Tribulus minutus</i> | P1 | 309536 | 7599230 | | 500 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 309574 | 7599128 | | 1,000 |
| <i>Tribulus minutus</i> | P1 | 309628 | 7599198 | | 50 |
| <i>Tribulus minutus</i> | P1 | 309633 | 7602467 | | 10 |
| <i>Tribulus minutus</i> | P1 | 309692 | 7602625 | | 300 |
| <i>Tribulus minutus</i> | P1 | 310043 | 7601916 | | 8 |
| <i>Tribulus minutus</i> | P1 | 310113 | 7601885 | | 5 |
| <i>Tribulus minutus</i> | P1 | 310284 | 7602339 | | 10 |
| <i>Tribulus minutus</i> | P1 | 310697 | 7604022 | | 300 |
| <i>Tribulus minutus</i> | P1 | 311226 | 7603418 | | 250 |
| <i>Tribulus minutus</i> | P1 | 311318 | 7603255 | | 5,000 |
| <i>Tribulus minutus</i> | P1 | 311326 | 7602574 | | 50 |
| <i>Tribulus minutus</i> | P1 | 311328 | 7603322 | | 200 |
| <i>Tribulus minutus</i> | P1 | 311352 | 7603439 | | 200 |
| <i>Tribulus minutus</i> | P1 | 311378 | 7603330 | | 100 |
| <i>Tribulus minutus</i> | P1 | 311442 | 7603508 | | 1,000 |
| <i>Tribulus minutus</i> | P1 | 311510 | 7603359 | | 1,000 |
| <i>Tribulus minutus</i> | P1 | 311795 | 7614904 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311798 | 7614904 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311798 | 7614903 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311799 | 7614905 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311801 | 7614905 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311802 | 7614903 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311803 | 7614906 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311805 | 7614903 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311806 | 7614897 | | 30 |
| <i>Tribulus minutus</i> | P1 | 311807 | 7614906 | | 1 |
| <i>Tribulus minutus</i> | P1 | 311817 | 7603182 | | 50 |
| <i>Tribulus minutus</i> | P1 | 311824 | 7614870 | | 20 |
| <i>Tribulus minutus</i> | P1 | 311848 | 7614847 | | 20 |
| <i>Tribulus minutus</i> | P1 | 311983 | 7602549 | | 3,000 |
| <i>Tribulus minutus</i> | P1 | 312032 | 7603365 | | 100 |
| <i>Tribulus minutus</i> | P1 | 312109 | 7618784 | WK058 | 2 |
| <i>Tribulus minutus</i> | P1 | 312216 | 7613544 | WD050 | 30 |
| <i>Tribulus minutus</i> | P1 | 312289 | 7614424 | | 20 |
| <i>Tribulus minutus</i> | P1 | 312356 | 7603504 | | 300 |
| <i>Tribulus minutus</i> | P1 | 312464 | 7604453 | | 1 |
| <i>Tribulus minutus</i> | P1 | 312507 | 7604413 | | 2 |
| <i>Tribulus minutus</i> | P1 | 312618 | 7615529 | | 3 |
| <i>Tribulus minutus</i> | P1 | 312775 | 7615710 | WC049 | |
| <i>Tribulus minutus</i> | P1 | 312782 | 7615718 | | 2 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 312895 | 7616030 | WC048 | |
| <i>Tribulus minutus</i> | P1 | 312964 | 7604372 | | 300 |
| <i>Tribulus minutus</i> | P1 | 313032 | 7600575 | WE046 | 50 |
| <i>Tribulus minutus</i> | P1 | 313046 | 7613183 | | 20 |
| <i>Tribulus minutus</i> | P1 | 313056 | 7613023 | WJ050 | 5 |
| <i>Tribulus minutus</i> | P1 | 313092 | 7613189 | | 15 |
| <i>Tribulus minutus</i> | P1 | 313120 | 7610939 | WW101 | |
| <i>Tribulus minutus</i> | P1 | 313206 | 7613021 | | 40 |
| <i>Tribulus minutus</i> | P1 | 313298 | 7614066 | | 10 |
| <i>Tribulus minutus</i> | P1 | 313381 | 7612849 | | 7 |
| <i>Tribulus minutus</i> | P1 | 313388 | 7612648 | | 4 |
| <i>Tribulus minutus</i> | P1 | 313445 | 7612650 | | 10 |
| <i>Tribulus minutus</i> | P1 | 313448 | 7612631 | | 7 |
| <i>Tribulus minutus</i> | P1 | 313449 | 7612671 | | 10 |
| <i>Tribulus minutus</i> | P1 | 313497 | 7612740 | | 2 |
| <i>Tribulus minutus</i> | P1 | 313498 | 7612691 | | 4 |
| <i>Tribulus minutus</i> | P1 | 313525 | 7612764 | | 18 |
| <i>Tribulus minutus</i> | P1 | 313663 | 7613897 | | 3 |
| <i>Tribulus minutus</i> | P1 | 313683 | 7613899 | | 11 |
| <i>Tribulus minutus</i> | P1 | 313699 | 7613899 | | 25 |
| <i>Tribulus minutus</i> | P1 | 313707 | 7599402 | | 20 |
| <i>Tribulus minutus</i> | P1 | 313710 | 7613867 | | 5 |
| <i>Tribulus minutus</i> | P1 | 313726 | 7613873 | | 6 |
| <i>Tribulus minutus</i> | P1 | 313728 | 7613905 | | 14 |
| <i>Tribulus minutus</i> | P1 | 313736 | 7613851 | | 8 |
| <i>Tribulus minutus</i> | P1 | 313749 | 7613906 | | 14 |
| <i>Tribulus minutus</i> | P1 | 313760 | 7613945 | | 24 |
| <i>Tribulus minutus</i> | P1 | 313778 | 7613859 | | 97 |
| <i>Tribulus minutus</i> | P1 | 313786 | 7612001 | WE029 | 2 |
| <i>Tribulus minutus</i> | P1 | 313790 | 7613782 | | 122 |
| <i>Tribulus minutus</i> | P1 | 313793 | 7613904 | | 100 |
| <i>Tribulus minutus</i> | P1 | 313795 | 7613934 | | 29 |
| <i>Tribulus minutus</i> | P1 | 313808 | 7613893 | | 45 |
| <i>Tribulus minutus</i> | P1 | 313819 | 7613772 | | 65 |
| <i>Tribulus minutus</i> | P1 | 313821 | 7613852 | | 73 |
| <i>Tribulus minutus</i> | P1 | 313822 | 7613708 | | 152 |
| <i>Tribulus minutus</i> | P1 | 313826 | 7613905 | | 40 |
| <i>Tribulus minutus</i> | P1 | 313830 | 7613666 | | 16 |
| <i>Tribulus minutus</i> | P1 | 313833 | 7590278 | | 200 |
| <i>Tribulus minutus</i> | P1 | 313844 | 7613787 | | 6 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 313845 | 7613664 | | 8 |
| <i>Tribulus minutus</i> | P1 | 313845 | 7613748 | | 100 |
| <i>Tribulus minutus</i> | P1 | 313853 | 7613651 | | 11 |
| <i>Tribulus minutus</i> | P1 | 313855 | 7613895 | | 24 |
| <i>Tribulus minutus</i> | P1 | 313859 | 7613797 | | 1 |
| <i>Tribulus minutus</i> | P1 | 313872 | 7613623 | | 13 |
| <i>Tribulus minutus</i> | P1 | 313875 | 7613772 | | 29 |
| <i>Tribulus minutus</i> | P1 | 313878 | 7613747 | | 130 |
| <i>Tribulus minutus</i> | P1 | 313879 | 7613599 | | 17 |
| <i>Tribulus minutus</i> | P1 | 313879 | 7613693 | | 82 |
| <i>Tribulus minutus</i> | P1 | 313879 | 7613864 | | 30 |
| <i>Tribulus minutus</i> | P1 | 313886 | 7613813 | | 10 |
| <i>Tribulus minutus</i> | P1 | 313889 | 7613899 | | 20 |
| <i>Tribulus minutus</i> | P1 | 313892 | 7613599 | | 3 |
| <i>Tribulus minutus</i> | P1 | 313904 | 7613577 | | 4 |
| <i>Tribulus minutus</i> | P1 | 313907 | 7613696 | | 18 |
| <i>Tribulus minutus</i> | P1 | 313907 | 7613918 | | 25 |
| <i>Tribulus minutus</i> | P1 | 313908 | 7613657 | | 118 |
| <i>Tribulus minutus</i> | P1 | 313908 | 7613604 | | 11 |
| <i>Tribulus minutus</i> | P1 | 313917 | 7613783 | | 22 |
| <i>Tribulus minutus</i> | P1 | 313923 | 7613749 | | 75 |
| <i>Tribulus minutus</i> | P1 | 313924 | 7613574 | | 23 |
| <i>Tribulus minutus</i> | P1 | 313928 | 7613913 | | 65 |
| <i>Tribulus minutus</i> | P1 | 313928 | 7613981 | | 20 |
| <i>Tribulus minutus</i> | P1 | 313931 | 7613607 | | 10 |
| <i>Tribulus minutus</i> | P1 | 313932 | 7613764 | | 31 |
| <i>Tribulus minutus</i> | P1 | 313934 | 7613858 | | 100 |
| <i>Tribulus minutus</i> | P1 | 313935 | 7613906 | | 65 |
| <i>Tribulus minutus</i> | P1 | 313939 | 7613857 | | 123 |
| <i>Tribulus minutus</i> | P1 | 313943 | 7613903 | | 55 |
| <i>Tribulus minutus</i> | P1 | 313944 | 7613565 | | 3 |
| <i>Tribulus minutus</i> | P1 | 313950 | 7613670 | | 59 |
| <i>Tribulus minutus</i> | P1 | 313951 | 7613697 | | 65 |
| <i>Tribulus minutus</i> | P1 | 313954 | 7613420 | | 40 |
| <i>Tribulus minutus</i> | P1 | 313965 | 7613602 | | 3 |
| <i>Tribulus minutus</i> | P1 | 313979 | 7613741 | | 100 |
| <i>Tribulus minutus</i> | P1 | 313980 | 7613602 | | 8 |
| <i>Tribulus minutus</i> | P1 | 313981 | 7613967 | | 280 |
| <i>Tribulus minutus</i> | P1 | 313985 | 7613901 | | 65 |
| <i>Tribulus minutus</i> | P1 | 313995 | 7613646 | | 21 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 313999 | 7613854 | | 67 |
| <i>Tribulus minutus</i> | P1 | 314000 | 7613939 | | 45 |
| <i>Tribulus minutus</i> | P1 | 314003 | 7613551 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314003 | 7613690 | | 53 |
| <i>Tribulus minutus</i> | P1 | 314004 | 7613598 | | 18 |
| <i>Tribulus minutus</i> | P1 | 314011 | 7613743 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314015 | 7613902 | | 27 |
| <i>Tribulus minutus</i> | P1 | 314023 | 7613706 | | 125 |
| <i>Tribulus minutus</i> | P1 | 314028 | 7613604 | | 19 |
| <i>Tribulus minutus</i> | P1 | 314029 | 7613469 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314029 | 7613843 | | 84 |
| <i>Tribulus minutus</i> | P1 | 314038 | 7613603 | | 42 |
| <i>Tribulus minutus</i> | P1 | 314039 | 7613556 | | 12 |
| <i>Tribulus minutus</i> | P1 | 314041 | 7613906 | | 9 |
| <i>Tribulus minutus</i> | P1 | 314060 | 7613636 | | 64 |
| <i>Tribulus minutus</i> | P1 | 314064 | 7614112 | WJ041 | 10 |
| <i>Tribulus minutus</i> | P1 | 314067 | 7613606 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314074 | 7613539 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314080 | 7613695 | | 16 |
| <i>Tribulus minutus</i> | P1 | 314093 | 7613858 | | 63 |
| <i>Tribulus minutus</i> | P1 | 314094 | 7613558 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314094 | 7613401 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314099 | 7613964 | | 19 |
| <i>Tribulus minutus</i> | P1 | 314100 | 7613488 | | 15 |
| <i>Tribulus minutus</i> | P1 | 314104 | 7613786 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314108 | 7613595 | | 80 |
| <i>Tribulus minutus</i> | P1 | 314110 | 7613899 | | 12 |
| <i>Tribulus minutus</i> | P1 | 314110 | 7613637 | | 23 |
| <i>Tribulus minutus</i> | P1 | 314113 | 7613704 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314115 | 7613399 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314143 | 7613599 | | 80 |
| <i>Tribulus minutus</i> | P1 | 314143 | 7613903 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314145 | 7613410 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314151 | 7613752 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314154 | 7613900 | | 9 |
| <i>Tribulus minutus</i> | P1 | 314158 | 7613566 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314159 | 7613449 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314160 | 7613716 | | 8 |
| <i>Tribulus minutus</i> | P1 | 314170 | 7613598 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314172 | 7613850 | | 32 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 314172 | 7613800 | | 19 |
| <i>Tribulus minutus</i> | P1 | 314176 | 7613653 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314183 | 7613500 | | 8 |
| <i>Tribulus minutus</i> | P1 | 314183 | 7613742 | | 7 |
| <i>Tribulus minutus</i> | P1 | 314197 | 7613446 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314198 | 7613598 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314202 | 7613698 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314203 | 7613846 | | 18 |
| <i>Tribulus minutus</i> | P1 | 314211 | 7613752 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314212 | 7613444 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314217 | 7613899 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314218 | 7613543 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314226 | 7613648 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314232 | 7613452 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314236 | 7613501 | | 7 |
| <i>Tribulus minutus</i> | P1 | 314237 | 7613946 | | 33 |
| <i>Tribulus minutus</i> | P1 | 314247 | 7613455 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314253 | 7613641 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314254 | 7613815 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314256 | 7613414 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314270 | 7613605 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314279 | 7613762 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314296 | 7613610 | | 8 |
| <i>Tribulus minutus</i> | P1 | 314296 | 7613452 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314301 | 7613861 | | 9 |
| <i>Tribulus minutus</i> | P1 | 314302 | 7613302 | | 16 |
| <i>Tribulus minutus</i> | P1 | 314311 | 7613350 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314312 | 7613960 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314316 | 7613382 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314325 | 7613853 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314326 | 7613311 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314327 | 7613603 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314330 | 7614918 | WW84 | |
| <i>Tribulus minutus</i> | P1 | 314336 | 7613652 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314340 | 7613403 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314359 | 7613304 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314359 | 7613196 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314366 | 7613381 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314368 | 7613854 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314371 | 7613352 | | 4 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 314374 | 7613453 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314379 | 7613206 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314386 | 7608548 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314390 | 7613841 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314390 | 7613156 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314393 | 7613409 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314405 | 7613557 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314407 | 7613300 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314407 | 7613206 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314410 | 7608084 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314415 | 7612776 | | 150 |
| <i>Tribulus minutus</i> | P1 | 314423 | 7613450 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314429 | 7612741 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314432 | 7608198 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314433 | 7612849 | | 32 |
| <i>Tribulus minutus</i> | P1 | 314436 | 7606326 | WE055 | 5 |
| <i>Tribulus minutus</i> | P1 | 314437 | 7613867 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314443 | 7613566 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314443 | 7613498 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314444 | 7613536 | | 18 |
| <i>Tribulus minutus</i> | P1 | 314449 | 7613099 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314449 | 7612847 | | 12 |
| <i>Tribulus minutus</i> | P1 | 314451 | 7612901 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314459 | 7612892 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314459 | 7613152 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314462 | 7612847 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314463 | 7613640 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314472 | 7613304 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314473 | 7608154 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314479 | 7613102 | | 9 |
| <i>Tribulus minutus</i> | P1 | 314481 | 7612785 | | 35 |
| <i>Tribulus minutus</i> | P1 | 314482 | 7613203 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314482 | 7612710 | | 20 |
| <i>Tribulus minutus</i> | P1 | 314486 | 7612247 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314487 | 7608114 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314487 | 7613001 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314498 | 7613601 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314500 | 7612903 | | 27 |
| <i>Tribulus minutus</i> | P1 | 314502 | 7612946 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314505 | 7612692 | | 50 |

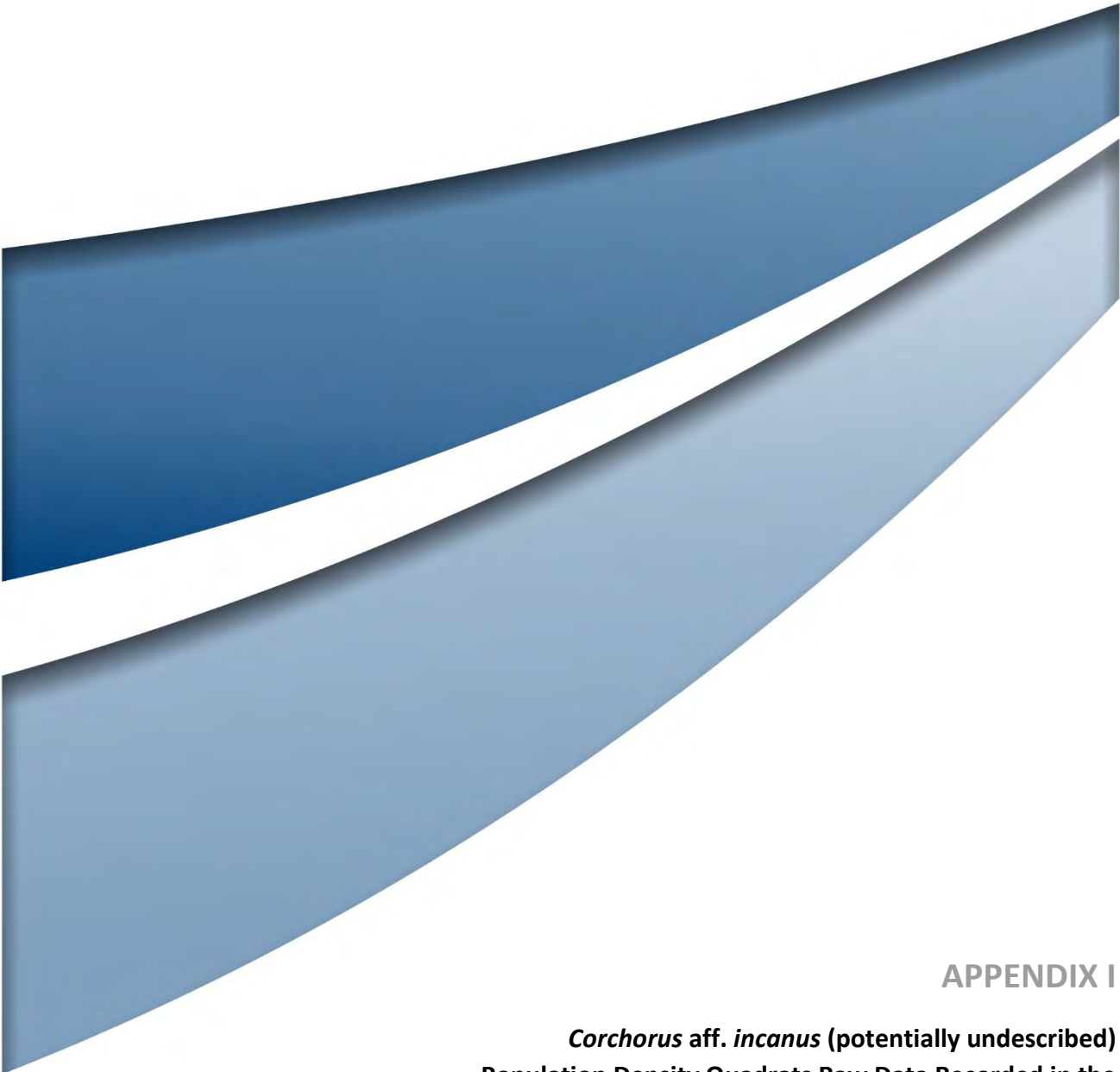
| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 314507 | 7613153 | | 8 |
| <i>Tribulus minutus</i> | P1 | 314508 | 7612853 | | 65 |
| <i>Tribulus minutus</i> | P1 | 314509 | 7612907 | | 20 |
| <i>Tribulus minutus</i> | P1 | 314511 | 7612759 | | 20 |
| <i>Tribulus minutus</i> | P1 | 314517 | 7613600 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314522 | 7612851 | | 6 |
| <i>Tribulus minutus</i> | P1 | 314524 | 7612900 | | 15 |
| <i>Tribulus minutus</i> | P1 | 314525 | 7608076 | | 25 |
| <i>Tribulus minutus</i> | P1 | 314534 | 7612684 | | 30 |
| <i>Tribulus minutus</i> | P1 | 314534 | 7612740 | | 40 |
| <i>Tribulus minutus</i> | P1 | 314535 | 7614274 | WW83 | |
| <i>Tribulus minutus</i> | P1 | 314538 | 7612896 | | 75 |
| <i>Tribulus minutus</i> | P1 | 314542 | 7612259 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314542 | 7612780 | | 30 |
| <i>Tribulus minutus</i> | P1 | 314542 | 7608064 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314545 | 7613595 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314545 | 7612848 | | 58 |
| <i>Tribulus minutus</i> | P1 | 314549 | 7612929 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314554 | 7613003 | | 46 |
| <i>Tribulus minutus</i> | P1 | 314554 | 7612732 | | 30 |
| <i>Tribulus minutus</i> | P1 | 314555 | 7613453 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314556 | 7613542 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314558 | 7612782 | | 65 |
| <i>Tribulus minutus</i> | P1 | 314561 | 7612905 | | 56 |
| <i>Tribulus minutus</i> | P1 | 314561 | 7612685 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314567 | 7612844 | | 26 |
| <i>Tribulus minutus</i> | P1 | 314569 | 7607971 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314570 | 7612929 | | 60 |
| <i>Tribulus minutus</i> | P1 | 314570 | 7607991 | | 7 |
| <i>Tribulus minutus</i> | P1 | 314572 | 7607975 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314572 | 7613501 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314573 | 7613101 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314577 | 7613601 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314583 | 7607982 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314583 | 7612943 | | 70 |
| <i>Tribulus minutus</i> | P1 | 314583 | 7612901 | | 20 |
| <i>Tribulus minutus</i> | P1 | 314585 | 7613199 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314586 | 7612784 | | 100 |
| <i>Tribulus minutus</i> | P1 | 314590 | 7612853 | | 49 |
| <i>Tribulus minutus</i> | P1 | 314595 | 7612692 | | 25 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 314599 | 7612936 | | 30 |
| <i>Tribulus minutus</i> | P1 | 314599 | 7608001 | | 8 |
| <i>Tribulus minutus</i> | P1 | 314600 | 7612912 | | 12 |
| <i>Tribulus minutus</i> | P1 | 314607 | 7613504 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314612 | 7612941 | | 35 |
| <i>Tribulus minutus</i> | P1 | 314612 | 7612853 | | 82 |
| <i>Tribulus minutus</i> | P1 | 314614 | 7612896 | | 42 |
| <i>Tribulus minutus</i> | P1 | 314615 | 7607963 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314615 | 7612746 | | 80 |
| <i>Tribulus minutus</i> | P1 | 314619 | 7607988 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314628 | 7613107 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314630 | 7612854 | | 25 |
| <i>Tribulus minutus</i> | P1 | 314630 | 7612777 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314632 | 7612694 | | 150 |
| <i>Tribulus minutus</i> | P1 | 314632 | 7612855 | | 50 |
| <i>Tribulus minutus</i> | P1 | 314633 | 7612797 | | 30 |
| <i>Tribulus minutus</i> | P1 | 314636 | 7613154 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314638 | 7612908 | | 38 |
| <i>Tribulus minutus</i> | P1 | 314639 | 7607971 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314641 | 7612737 | | 40 |
| <i>Tribulus minutus</i> | P1 | 314644 | 7607985 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314646 | 7613397 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314653 | 7612912 | | 18 |
| <i>Tribulus minutus</i> | P1 | 314654 | 7612854 | | 66 |
| <i>Tribulus minutus</i> | P1 | 314654 | 7612773 | | 70 |
| <i>Tribulus minutus</i> | P1 | 314656 | 7612789 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314659 | 7612700 | | 75 |
| <i>Tribulus minutus</i> | P1 | 314665 | 7612916 | | 15 |
| <i>Tribulus minutus</i> | P1 | 314668 | 7612856 | | 23 |
| <i>Tribulus minutus</i> | P1 | 314669 | 7612804 | | 12 |
| <i>Tribulus minutus</i> | P1 | 314672 | 7612760 | | 150 |
| <i>Tribulus minutus</i> | P1 | 314681 | 7612894 | | 21 |
| <i>Tribulus minutus</i> | P1 | 314682 | 7612793 | | 45 |
| <i>Tribulus minutus</i> | P1 | 314685 | 7612820 | | 20 |
| <i>Tribulus minutus</i> | P1 | 314688 | 7612702 | | 46 |
| <i>Tribulus minutus</i> | P1 | 314688 | 7612849 | | 100 |
| <i>Tribulus minutus</i> | P1 | 314693 | 7612759 | | 80 |
| <i>Tribulus minutus</i> | P1 | 314694 | 7612916 | | 15 |
| <i>Tribulus minutus</i> | P1 | 314704 | 7606759 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314712 | 7612857 | | 65 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 314714 | 7612903 | | 55 |
| <i>Tribulus minutus</i> | P1 | 314715 | 7613001 | | 3 |
| <i>Tribulus minutus</i> | P1 | 314717 | 7612746 | | 100 |
| <i>Tribulus minutus</i> | P1 | 314718 | 7612701 | | 20 |
| <i>Tribulus minutus</i> | P1 | 314720 | 7612215 | | 4 |
| <i>Tribulus minutus</i> | P1 | 314727 | 7612930 | | 70 |
| <i>Tribulus minutus</i> | P1 | 314730 | 7612709 | | 50 |
| <i>Tribulus minutus</i> | P1 | 314735 | 7612899 | | 90 |
| <i>Tribulus minutus</i> | P1 | 314736 | 7612846 | | 90 |
| <i>Tribulus minutus</i> | P1 | 314742 | 7612850 | WW70 | |
| <i>Tribulus minutus</i> | P1 | 314743 | 7612942 | | 100 |
| <i>Tribulus minutus</i> | P1 | 314745 | 7618505 | WM024 | 1 |
| <i>Tribulus minutus</i> | P1 | 314751 | 7612899 | | 65 |
| <i>Tribulus minutus</i> | P1 | 314753 | 7612195 | | 2 |
| <i>Tribulus minutus</i> | P1 | 314759 | 7606224 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314763 | 7612999 | | 70 |
| <i>Tribulus minutus</i> | P1 | 314768 | 7612995 | | 5 |
| <i>Tribulus minutus</i> | P1 | 314769 | 7612849 | | 80 |
| <i>Tribulus minutus</i> | P1 | 314772 | 7612940 | | 75 |
| <i>Tribulus minutus</i> | P1 | 314776 | 7612895 | | 85 |
| <i>Tribulus minutus</i> | P1 | 314780 | 7613000 | | 15 |
| <i>Tribulus minutus</i> | P1 | 314788 | 7606243 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314788 | 7612854 | | 70 |
| <i>Tribulus minutus</i> | P1 | 314791 | 7613019 | WW72 | |
| <i>Tribulus minutus</i> | P1 | 314793 | 7606294 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314795 | 7612886 | | 55 |
| <i>Tribulus minutus</i> | P1 | 314800 | 7606435 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314801 | 7612960 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314806 | 7613001 | | 13 |
| <i>Tribulus minutus</i> | P1 | 314809 | 7612851 | | 30 |
| <i>Tribulus minutus</i> | P1 | 314817 | 7612895 | | 20 |
| <i>Tribulus minutus</i> | P1 | 314821 | 7613013 | | 60 |
| <i>Tribulus minutus</i> | P1 | 314834 | 7613001 | | 70 |
| <i>Tribulus minutus</i> | P1 | 314843 | 7612875 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314846 | 7606416 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314848 | 7612999 | | 30 |
| <i>Tribulus minutus</i> | P1 | 314849 | 7613049 | | 10 |
| <i>Tribulus minutus</i> | P1 | 314860 | 7613010 | | 50 |
| <i>Tribulus minutus</i> | P1 | 314868 | 7613050 | | 215 |
| <i>Tribulus minutus</i> | P1 | 314880 | 7613007 | | 80 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 314885 | 7613051 | | 140 |
| <i>Tribulus minutus</i> | P1 | 314893 | 7613031 | | 60 |
| <i>Tribulus minutus</i> | P1 | 314905 | 7613049 | | 70 |
| <i>Tribulus minutus</i> | P1 | 314945 | 7608064 | | 1 |
| <i>Tribulus minutus</i> | P1 | 314965 | 7607956 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315034 | 7617947 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315146 | 7606081 | | 2 |
| <i>Tribulus minutus</i> | P1 | 315162 | 7606076 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315167 | 7606094 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315199 | 7611725 | | 2 |
| <i>Tribulus minutus</i> | P1 | 315202 | 7606035 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315203 | 7606210 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315223 | 7615538 | WW85 | |
| <i>Tribulus minutus</i> | P1 | 315244 | 7608271 | | 40 |
| <i>Tribulus minutus</i> | P1 | 315250 | 7608175 | | 3 |
| <i>Tribulus minutus</i> | P1 | 315301 | 7607947 | | 4 |
| <i>Tribulus minutus</i> | P1 | 315306 | 7612253 | WJ045 | 1 |
| <i>Tribulus minutus</i> | P1 | 315448 | 7608162 | | 3 |
| <i>Tribulus minutus</i> | P1 | 315448 | 7605439 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315451 | 7608212 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315451 | 7608081 | | 2 |
| <i>Tribulus minutus</i> | P1 | 315462 | 7606515 | WK029 | |
| <i>Tribulus minutus</i> | P1 | 315495 | 7607699 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315498 | 7607697 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315617 | 7605307 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315896 | 7604905 | WJ024 | |
| <i>Tribulus minutus</i> | P1 | 315990 | 7607261 | | 1 |
| <i>Tribulus minutus</i> | P1 | 315993 | 7603883 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316016 | 7604800 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316046 | 7604773 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316068 | 7612638 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316101 | 7603948 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316116 | 7605471 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316120 | 7612054 | WE035 | 1 |
| <i>Tribulus minutus</i> | P1 | 316189 | 7604162 | WE018 | 2 |
| <i>Tribulus minutus</i> | P1 | 316204 | 7604135 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316301 | 7603632 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316318 | 7603356 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316349 | 7612606 | | 8 |
| <i>Tribulus minutus</i> | P1 | 316357 | 7612459 | | 3 |

| Taxon | Status (WA) | Easting | Northing | Location | Abundance |
|-------------------------|-------------|---------|----------|----------|-----------|
| <i>Tribulus minutus</i> | P1 | 316363 | 7612604 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316547 | 7612177 | | 8 |
| <i>Tribulus minutus</i> | P1 | 316563 | 7612160 | | 4 |
| <i>Tribulus minutus</i> | P1 | 316586 | 7612052 | | 1 |
| <i>Tribulus minutus</i> | P1 | 316750 | 7604018 | | 1 |
| <i>Tribulus minutus</i> | P1 | 317426 | 7607655 | WC034 | 1 |



APPENDIX I

***Corchorus aff. incanus* (potentially undescribed)
Population Density Quadrats Raw Data Recorded in the
Study Area by the 2021 Survey**

Site Name: Csp08
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 317569.8753E 7593844.725N
 Landform Type: Ridge
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 63 |

PHOTO



Site Name: Csp09
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 17/06/2021
 GPS Location: GDA94 Zone 51 317360.2615E 7595803.454N
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 88 |

PHOTO



Site Name: Csp10
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 17/06/2021
 GPS Location: GDA94 Zone 51 317383.6056E 7596613.748N
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 173 |

PHOTO



Site Name: Csp11
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/06/2021
 GPS Location: GDA94 Zone 51 318104.922432448E 7596956.15958861N
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Some **Aerva javanica*
 Fire: >5
 Habitat: *Acacia arida* (dominant) over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana* (dominant)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 135 |

PHOTO



Site Name: Csp12
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 17/06/2021
 GPS Location: GDA94 Zone 51 317337.2919E 7598869.003N
 Landform Type: Ridge
 Slope Class: Gently Inclined (3 degrees)
 Aspect: NNW
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Some **Aerva javanica*
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 39 |

PHOTO



Site Name: Csp13
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 316831.8932E 7601349.676N
 Landform Type: Other, Low ridge (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Some **Aerva javanica*
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 71 |

PHOTO

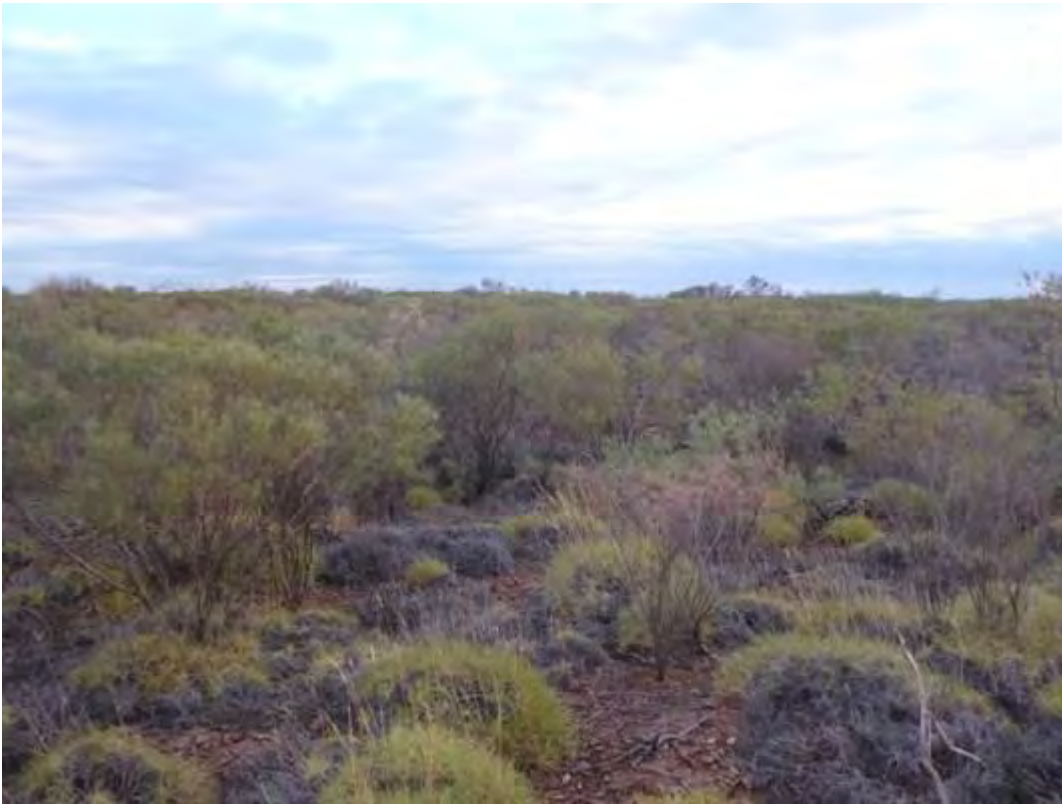


Site Name: Csp14
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 316195.4902E 7603535.394N
 Landform Type: Other, Undulating low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5
 Habitat: Not the typical dolomite community; lots of *Acacia bivenosa* and *Acacia inaequilatera*
 Comments: Old rehabilitated area (more than 10 yrs)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 33 |

PHOTO



Site Name: Csp18
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/06/2021
 GPS Location: GDA94 Zone 51 314188.8399E 7613195.562N
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 2-10% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Comments: Quadrat on slope leading down into minor flowline

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 67 |

PHOTO



Site Name: Csp19
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 315062.9831E 7614428.226N
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 164 |

PHOTO

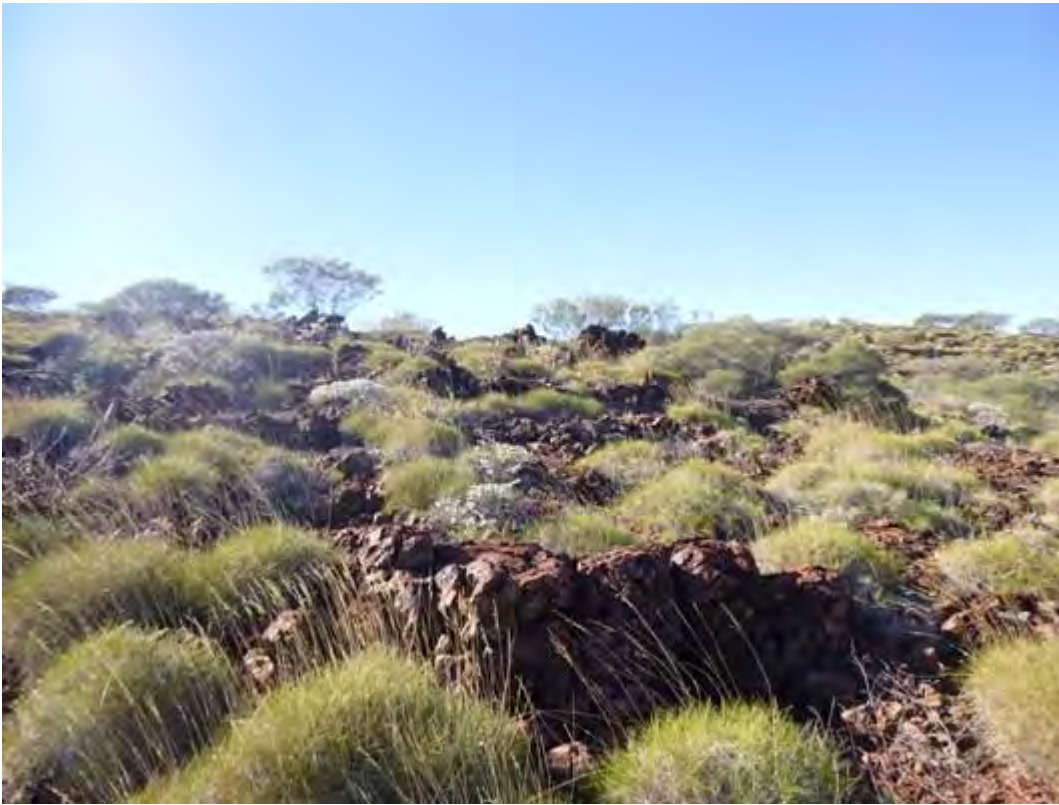


Site Name: Csp23
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 315560.3454E 7615366.187N
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Comments: Quadrat next drill pad

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 142 |

PHOTO



Site Name: Csp24
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 314053.8987E 7618267.314N
 Landform Type: Other, Undulating low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 50 |

PHOTO

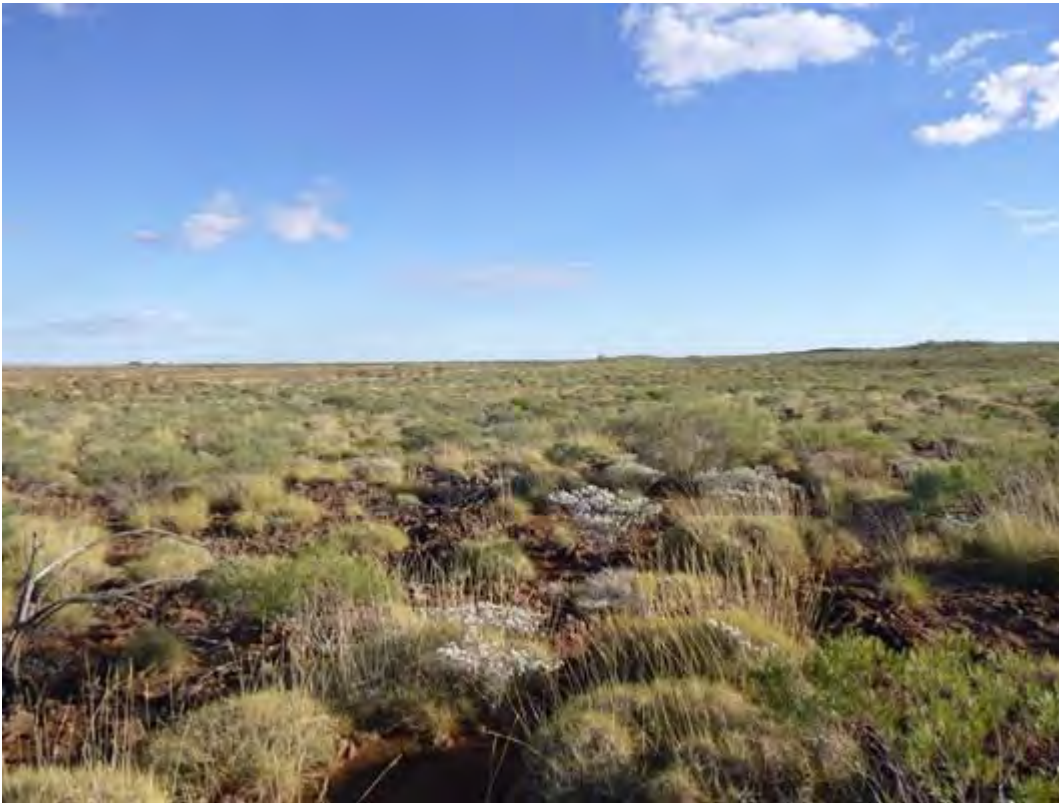


Site Name: Csp25
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 312465.1192E 7618992.879N
 Landform Type: Other, Undulating low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Comments: Quadrat next to recently burnt area (<2 yrs)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 132 |

PHOTO



Site Name: Csp26
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 313087.8966E 7619418.778N
 Landform Type: Other, Mid and lower slope / flowline (other)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 20-50%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >5
 Comments: Quadrat in area with slopes and minor drainage-lines intersecting

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 114 |

PHOTO



Site Name: Csp27
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 314574.7312E 7618882.665N
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 171 |

PHOTO



Site Name: Csp28
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 315249.0923E 7617119.975N
 Landform Type: Other, Upper/mid slope (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 295 |

PHOTO



Site Name: Csp30
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 314632.5069E 7616727.225N
 Landform Type: Other, Undulating low rise (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 101 |

PHOTO



Site Name: Csp31
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 313459.6096E 7618903.503N
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Some **Aerva javanica*
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 66 |

PHOTO



Site Name: Csp33
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 314423.5977E 7617669.943N
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 78 |

PHOTO



Site Name: Csp34
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 315298.9018E 7613835.068N
 Landform Type: Other, Upper/mid slope (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Some **Aerva javanica*
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 101 |

PHOTO



Site Name: Csp36
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 20/06/2021
 GPS Location: GDA94 Zone 51 314055.3949E 7611896.652N
 Landform Type: Other, Upper/mid slope (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Some **Aerva javanica*
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 101 |

PHOTO



Site Name: Csp38
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 316812.2044E 7599847.996N
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5
 Comments: Small area of old rehab within quadrat

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 242 |

PHOTO



Site Name: Csp39
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 17/06/2021
 GPS Location: GDA94 Zone 51 317324.5071E 7595111.061N
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5
 Comments: *Corchorus* aff. *incanus* (potentially undescribed) mostly in creekline adjacent to hilltop

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 168 |

PHOTO



Site Name: Csp44
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 315604.9514E 7598916.375N
 Landform Type: Ridge
 Slope Class: Very Steep (37 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5
 Comments: Quadrat on ridge adjacent to gorge

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 180 |

PHOTO



Site Name: Csp45
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 315599.7691E 7599438.657N
 Landform Type: Crest
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 347 |

PHOTO



Site Name: CspDC1
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 316787.1111E 7600920.953N
 Landform Type: Crest
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Fire: >5

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 154 |

PHOTO



Site Name: CspM01
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 17/06/2021
 GPS Location: GDA94 Zone 51 314674.2392E 7589160.004N
 Landform Type: Mid Slope
 Slope Class: Steep (23 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds
 Fire: >10
 Habitat: *Hakea lorea* (scattered) over *Acacia arida* (dominant) over *Triodia wiseana* (dominant)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 202 |

PHOTO



Site Name: CspM02
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 17/06/2021
 GPS Location: GDA94 Zone 51 315660.4292E 7589029.023N
 Landform Type: Simple Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Exotic Weeds - Some **Aerva javanica*
 Fire: >10
 Habitat: *Corymbia hamersleyana* (occasional) and *Acacia arida* (dominant) over *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 153 |

PHOTO



Site Name: CspM03
 Site Type: QUADRAT
 Dimensions: 50m x 500m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 315583.4862E 7587374.827N
 Landform Type: Other, Outcrop (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - **Cenchrus ciliaris* and **Aerva javanica*
 Fire: >10
 Habitat: *Corymbia hamersleyana* (occasional) and *Acacia arida* over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana* (dominant)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 128 |

PHOTO



Site Name: CspM04
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 316950.7101E 7588604.371N
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: <10
 Habitat: Occasional *Grevillea wickhamii* over *Acacia arida* (dominant) and *Hakea lorea* over *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 213 |

PHOTO



Site Name: CspM05
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 317352.981E 7587405.613N
 Landform Type: Other, Simple hill (other)
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: Pig/Animal Disturbance - Cattle
 Fire: >10
 Habitat: *Acacia arida* over *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 38 |

PHOTO



Site Name: CspM06
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 317029.2718E 7590004.979N
 Landform Type: Other, Simple hill / mid-slope (other)
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Habitat: *Hakea lorea* (scattered) and *Acacia arida* (dominant) over *Acacia bivenosa* over *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 9 |

PHOTO



Site Name: CspM07
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 317171.554E 7591091.269N
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Habitat: *Corymbia hamersleyana* (occasional) over *Acacia arida* (dominant) over *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 126 |

PHOTO



Site Name: CspM08
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 317300.3435E 7591686.509N
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Habitat: *Hakea lorea* (scattered) over *Acacia arida* over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 110 |

PHOTO



Site Name: CspM09
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 18/06/2021
 GPS Location: GDA94 Zone 51 317482.2165E 7593277.201N
 Landform Type: Simple Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Habitat: *Corymbia hamersleyana* over *Grevillea wickhamii* and *Acacia arida* over *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 137 |

PHOTO



Site Name: CspM10
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 316426.2359E 7619151.943N
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Dark brown (other)
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10
 Habitat: *Hakea lorea* (occasional) over *Acacia arida* over *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 145 |

PHOTO



Site Name: CspM11
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 316423.0378E 7618822.144N
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Dark brown (other)
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10
 Habitat: *Acacia arida* over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 332 |

PHOTO



Site Name: CspM12
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 316425.8912E 7618269.73N
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolerite, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 10
 Habitat: *Grevillea wickhamii* (occasional) over *Acacia arida* (dominant) over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 99 |

PHOTO



Site Name: CspM13
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 317144.5921E 7616578.352N
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Habitat: *Acacia arida* over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 177 |

PHOTO

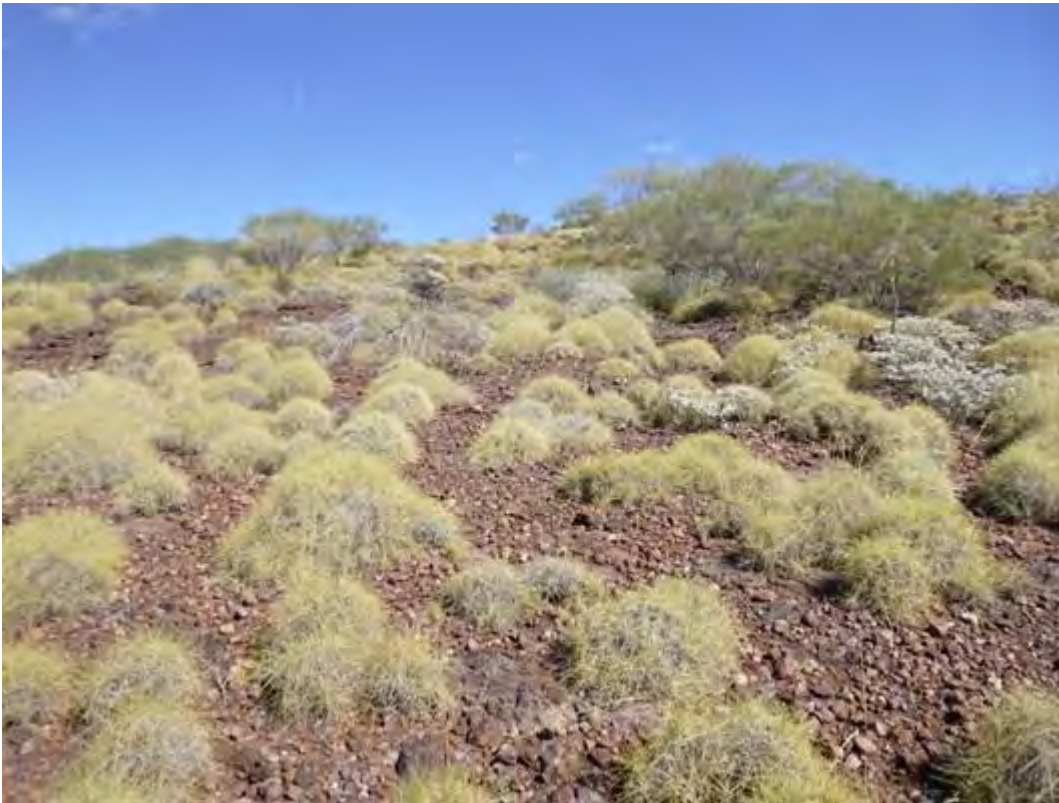


Site Name: CspM14
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 317171.6875E 7615887.022N
 Landform Type: Mid Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 5-10
 Habitat: *Acacia arida* over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana* (dominant)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 108 |

PHOTO



Site Name: CspM15
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 316694.5826E 7615016.565N
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Dark brown (other)
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: ~5
 Habitat: *Grevillea wickhamii* (occasional) over *Acacia arida* (dominant) over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 335 |

PHOTO



Site Name: CspM16
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 316284.5787E 7613943.436N
 Landform Type: Crest
 Slope Class: Steep (23 degrees)
 Soil Type: Clay Loam
 Soil Colour: Dark brown (other)
 Rock Outcrop: Dolomite (other), >50% bedrock exposed
 CF Abundance: >90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm
 CF Types: Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Habitat: *Triodia wiseana* and *Corchorus* aff. *incanus* (potentially undescribed)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 107 |

PHOTO



Site Name: CspM17
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 315641.2621E 7612319.602N
 Landform Type: Upper Slope
 Slope Class: Gently Inclined (3 degrees)
 Soil Type: Clay Loam
 Soil Colour: Red-Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolerite, Dolomite (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: 10
 Habitat: *Grevillea wickhamii* (occasional) over *Acacia arida* (dominant) and *Acacia bivenosa* over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana* (dominant)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 120 |

PHOTO



Site Name: CspM18
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 315172.2752E 7610984.754N
 Landform Type: Upper Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Limited Clearing - SW corner of quadrat is ripped
 Fire: 5
 Habitat: *Acacia arida* over *Grevillea wickhamii* (occasional) over *Triodia wiseana*
 Comments: The SW corner of the quadrat has been previously ripped (mining activity)

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 377 |

PHOTO



Site Name: CspM19
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 315023.0409E 7606489.085N
 Landform Type: Other, Undulating hill (other)
 Slope Class: Very Gently Inclined (1 degree)
 Soil Type: Clay Loam
 Soil Colour: Brown
 Rock Outcrop: Dolomite And Calcrete? (other), 10-20% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm
 CF Types: Dolomite and Calcrete? (other)
 Vegetation Condition: Northern Vegetation Condition - E - Excellent
 Disturbance: None
 Fire: >10
 Habitat: *Hakea lorea* (scattered) over *Acacia bivenosa* (dominant) over *Triodia wiseana* (dominant) and *Triodia scintillans*

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 36 |

PHOTO



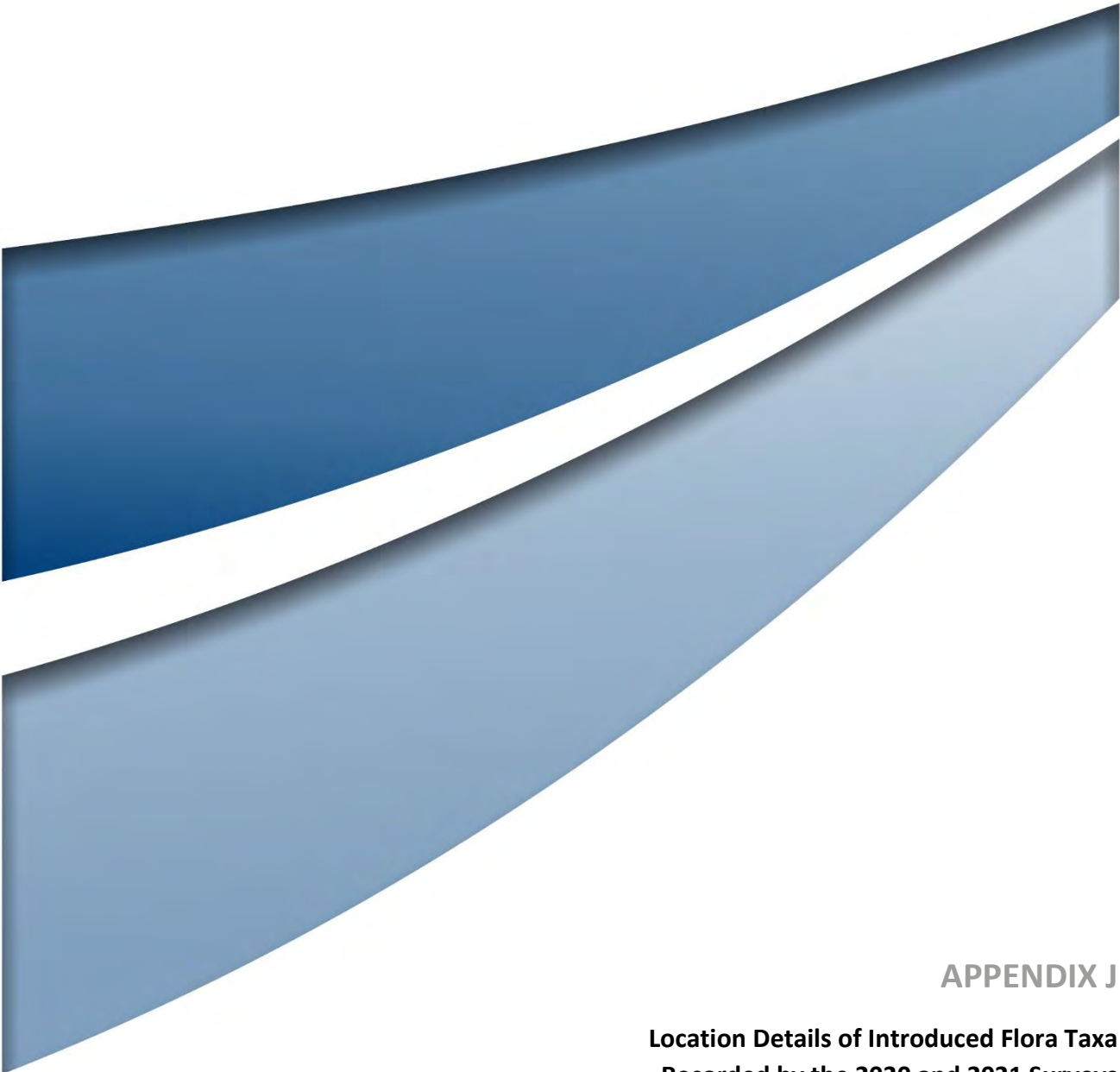
Site Name: CspM20
 Site Type: QUADRAT
 Dimensions: 50m x 50m
 Survey Date: 19/06/2021
 GPS Location: GDA94 Zone 51 318168.7051E 7597753.952N
 Landform Type: Mid Slope
 Slope Class: Moderately Inclined (10 degrees)
 Soil Type: Sandy Clay Loam
 Soil Colour: Light brown (other)
 Rock Outcrop: Dolomite (other), 20-50% bedrock exposed
 CF Abundance: 50-90%
 CF Sizes: 2-6mm, 6-20mm, 20-60mm, 60-200mm, 200-600mm
 CF Types: Dolerite, Dolomite (other), Quartz
 Vegetation Condition: Northern Vegetation Condition - VG - Very Good
 Disturbance: Exotic Weeds - Approx. 1% total cover
 Fire: 10
 Habitat: *Hakea lorea* (occasional) over *Grevillea wickhamii* (scattered) over *Acacia arida* over *Corchorus* aff. *incanus* (potentially undescribed) and *Triodia wiseana*
 Comments: Mining activity in surrounds

SPECIES LIST

| Taxon Name | Count Alive |
|--|-------------|
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | 74 |

PHOTO





APPENDIX J

**Location Details of Introduced Flora Taxa
Recorded by the 2020 and 2021 Surveys**

Note: all locations in GDA2020, Zone 51.

| Taxon | Easting | Northing | Location | Abundance |
|-----------------------|---------|----------|----------|-----------|
| <i>Aerva javanica</i> | 311856 | 7612807 | WM042 | |
| <i>Aerva javanica</i> | 311891 | 7617739 | WK060 | |
| <i>Aerva javanica</i> | 311939 | 7614752 | WK051 | |
| <i>Aerva javanica</i> | 311952 | 7608068 | WE036 | |
| <i>Aerva javanica</i> | 311990 | 7620191 | WD030 | |
| <i>Aerva javanica</i> | 312011 | 7612042 | WE050 | 1 |
| <i>Aerva javanica</i> | 312026 | 7609432 | WK050 | |
| <i>Aerva javanica</i> | 312105 | 7619000 | WD028 | |
| <i>Aerva javanica</i> | 312142 | 7616015 | | |
| <i>Aerva javanica</i> | 312143 | 7607911 | WE037 | 150 |
| <i>Aerva javanica</i> | 312172 | 7610409 | WE049 | 10 |
| <i>Aerva javanica</i> | 312193 | 7613265 | WD051 | |
| <i>Aerva javanica</i> | 312215 | 7611768 | WE051 | 15 |
| <i>Aerva javanica</i> | 312263 | 7610878 | WE048 | 5 |
| <i>Aerva javanica</i> | 312286 | 7616336 | WC046 | |
| <i>Aerva javanica</i> | 312358 | 7615129 | WC053 | |
| <i>Aerva javanica</i> | 312364 | 7620716 | WD031 | |
| <i>Aerva javanica</i> | 312432 | 7616248 | WC047R | |
| <i>Aerva javanica</i> | 312439 | 7609423 | WK048 | |
| <i>Aerva javanica</i> | 312478 | 7608316 | WC043 | |
| <i>Aerva javanica</i> | 312480 | 7618268 | WK059 | |
| <i>Aerva javanica</i> | 312545 | 7612881 | WJ048 | |
| <i>Aerva javanica</i> | 312610 | 7607165 | WJ032 | |
| <i>Aerva javanica</i> | 312730 | 7616436 | WK052 | |
| <i>Aerva javanica</i> | 312775 | 7615710 | WC049 | |
| <i>Aerva javanica</i> | 312787 | 7614919 | WC052 | |
| <i>Aerva javanica</i> | 312794 | 7613025 | WJ049 | |
| <i>Aerva javanica</i> | 312831 | 7611805 | WE025 | 1 |
| <i>Aerva javanica</i> | 312895 | 7616030 | WC048 | |
| <i>Aerva javanica</i> | 312998 | 7617562 | WK056 | |
| <i>Aerva javanica</i> | 313014 | 7607172 | WW115 | 6 |
| <i>Aerva javanica</i> | 313056 | 7613023 | WJ050 | |
| <i>Aerva javanica</i> | 313063 | 7591250 | WD044 | |
| <i>Aerva javanica</i> | 313069 | 7609166 | | |
| <i>Aerva javanica</i> | 313075 | 7611906 | | |
| <i>Aerva javanica</i> | 313129 | 7607270 | WW117 | 150 |
| <i>Aerva javanica</i> | 313135 | 7610749 | WW103 | 3 |
| <i>Aerva javanica</i> | 313158 | 7611704 | WEREV004 | |
| <i>Aerva javanica</i> | 313176 | 7608965 | WW118 | |
| <i>Aerva javanica</i> | 313199 | 7614175 | WJ043 | |
| <i>Aerva javanica</i> | 313200 | 7608378 | WW111 | 10 |
| <i>Aerva javanica</i> | 313268 | 7610226 | WW110 | |
| <i>Aerva javanica</i> | 313294 | 7609445 | WW112 | |
| <i>Aerva javanica</i> | 313301 | 7613638 | WJ040 | |

| Taxon | Easting | Northing | Location | Abundance |
|-----------------------|---------|----------|----------|-----------|
| <i>Aerva javanica</i> | 313315 | 7608856 | WW116 | |
| <i>Aerva javanica</i> | 313406 | 7612307 | WE027 | |
| <i>Aerva javanica</i> | 313488 | 7620799 | WJ065 | |
| <i>Aerva javanica</i> | 313532 | 7616593 | WK054 | |
| <i>Aerva javanica</i> | 313554 | 7607231 | WW122 | |
| <i>Aerva javanica</i> | 313569 | 7607838 | WW130 | |
| <i>Aerva javanica</i> | 313576 | 7613866 | WJ042 | |
| <i>Aerva javanica</i> | 313694 | 7618219 | WE052 | 30 |
| <i>Aerva javanica</i> | 313699 | 7620790 | WJ064 | |
| <i>Aerva javanica</i> | 313786 | 7612001 | WE029 | 66 |
| <i>Aerva javanica</i> | 313794 | 7614782 | WW78 | |
| <i>Aerva javanica</i> | 313814 | 7619407 | WJ069 | |
| <i>Aerva javanica</i> | 313903 | 7615729 | WW-R01 | |
| <i>Aerva javanica</i> | 313907 | 7612393 | WE028 | 5 |
| <i>Aerva javanica</i> | 314002 | 7607274 | WW126 | |
| <i>Aerva javanica</i> | 314030 | 7604987 | WE014 | |
| <i>Aerva javanica</i> | 314041 | 7603488 | WC026 | |
| <i>Aerva javanica</i> | 314042 | 7610907 | WJ052 | |
| <i>Aerva javanica</i> | 314064 | 7614112 | WJ041 | |
| <i>Aerva javanica</i> | 314151 | 7609434 | WC057 | |
| <i>Aerva javanica</i> | 314174 | 7611994 | WJ053 | |
| <i>Aerva javanica</i> | 314180 | 7614226 | WW79 | 40 |
| <i>Aerva javanica</i> | 314212 | 7613576 | | 125 |
| <i>Aerva javanica</i> | 314215 | 7614287 | | 250 |
| <i>Aerva javanica</i> | 314278 | 7614395 | WW77 | 50 |
| <i>Aerva javanica</i> | 314317 | 7608388 | WK043 | |
| <i>Aerva javanica</i> | 314330 | 7614918 | WW84 | |
| <i>Aerva javanica</i> | 314340 | 7615758 | | 250 |
| <i>Aerva javanica</i> | 314351 | 7613580 | WW71 | 800 |
| <i>Aerva javanica</i> | 314364 | 7613950 | | 25 |
| <i>Aerva javanica</i> | 314364 | 7613950 | | 200 |
| <i>Aerva javanica</i> | 314421 | 7610872 | WJ051R | |
| <i>Aerva javanica</i> | 314439 | 7615841 | WW21 | 2 |
| <i>Aerva javanica</i> | 314442 | 7615545 | WW23 | 10 |
| <i>Aerva javanica</i> | 314451 | 7600898 | WE011 | |
| <i>Aerva javanica</i> | 314463 | 7615249 | WW25 | 2 |
| <i>Aerva javanica</i> | 314501 | 7614419 | | 45 |
| <i>Aerva javanica</i> | 314535 | 7614274 | WW83 | 25 |
| <i>Aerva javanica</i> | 314555 | 7609981 | | |
| <i>Aerva javanica</i> | 314576 | 7614423 | | 50 |
| <i>Aerva javanica</i> | 314594 | 7614239 | | 50 |
| <i>Aerva javanica</i> | 314620 | 7614099 | | 150 |
| <i>Aerva javanica</i> | 314626 | 7599991 | WD055 | |
| <i>Aerva javanica</i> | 314653 | 7604243 | WK020 | |
| <i>Aerva javanica</i> | 314665 | 7613857 | WW81 | 50 |
| <i>Aerva javanica</i> | 314670 | 7614451 | | 7 |

| Taxon | Easting | Northing | Location | Abundance |
|-----------------------|---------|----------|----------|-----------|
| <i>Aerva javanica</i> | 314742 | 7612850 | WW70 | |
| <i>Aerva javanica</i> | 314760 | 7612196 | WJ047 | |
| <i>Aerva javanica</i> | 314767 | 7613411 | | 800 |
| <i>Aerva javanica</i> | 314780 | 7614428 | | 10 |
| <i>Aerva javanica</i> | 314780 | 7614750 | | 5 |
| <i>Aerva javanica</i> | 314791 | 7613019 | WW72 | |
| <i>Aerva javanica</i> | 314792 | 7599765 | WC012 | |
| <i>Aerva javanica</i> | 314798 | 7614636 | WW60 | |
| <i>Aerva javanica</i> | 314827 | 7615307 | | 10 |
| <i>Aerva javanica</i> | 314827 | 7613472 | WW75 | 250 |
| <i>Aerva javanica</i> | 314839 | 7607292 | WEREV005 | |
| <i>Aerva javanica</i> | 314852 | 7601876 | WE009 | 2 |
| <i>Aerva javanica</i> | 314877 | 7609196 | WC058 | |
| <i>Aerva javanica</i> | 314887 | 7603720 | WE013 | 60 |
| <i>Aerva javanica</i> | 314904 | 7612334 | WJ046 | |
| <i>Aerva javanica</i> | 314932 | 7609281 | | |
| <i>Aerva javanica</i> | 314939 | 7616448 | WD034 | |
| <i>Aerva javanica</i> | 314940 | 7619134 | WM023 | 3 |
| <i>Aerva javanica</i> | 314955 | 7614207 | WW67 | 5 |
| <i>Aerva javanica</i> | 314966 | 7612655 | WW68 | |
| <i>Aerva javanica</i> | 315021 | 7603822 | WE002 | 1 |
| <i>Aerva javanica</i> | 315034 | 7617947 | WM025 | 50 |
| <i>Aerva javanica</i> | 315067 | 7606858 | WK028 | |
| <i>Aerva javanica</i> | 315072 | 7614024 | WE030 | 27 |
| <i>Aerva javanica</i> | 315099 | 7601120 | WE012 | 1 |
| <i>Aerva javanica</i> | 315115 | 7615921 | WW22 | |
| <i>Aerva javanica</i> | 315130 | 7615296 | WW64 | |
| <i>Aerva javanica</i> | 315195 | 7615101 | | 300 |
| <i>Aerva javanica</i> | 315234 | 7605268 | WJ022 | |
| <i>Aerva javanica</i> | 315234 | 7610334 | WC054 | |
| <i>Aerva javanica</i> | 315242 | 7615140 | | 300 |
| <i>Aerva javanica</i> | 315251 | 7614848 | WW69 | |
| <i>Aerva javanica</i> | 315273 | 7598688 | WK018 | 15 |
| <i>Aerva javanica</i> | 315283 | 7601728 | WC027 | |
| <i>Aerva javanica</i> | 315306 | 7612253 | WJ045 | |
| <i>Aerva javanica</i> | 315331 | 7600407 | WEREV001 | 1 |
| <i>Aerva javanica</i> | 315340 | 7587665 | WD011 | |
| <i>Aerva javanica</i> | 315372 | 7599732 | WC015 | |
| <i>Aerva javanica</i> | 315374 | 7600029 | WC013 | |
| <i>Aerva javanica</i> | 315421 | 7599402 | | |
| <i>Aerva javanica</i> | 315462 | 7613063 | WE032 | 30 |
| <i>Aerva javanica</i> | 315462 | 7589058 | WD016 | |
| <i>Aerva javanica</i> | 315498 | 7601967 | WC029 | |
| <i>Aerva javanica</i> | 315510 | 7611482 | WK062 | |
| <i>Aerva javanica</i> | 315511 | 7604321 | WJ029 | |
| <i>Aerva javanica</i> | 315524 | 7615281 | | 300 |

| Taxon | Easting | Northing | Location | Abundance |
|-----------------------|---------|----------|----------|-----------|
| <i>Aerva javanica</i> | 315562 | 7612436 | WJ044 | |
| <i>Aerva javanica</i> | 315607 | 7616251 | WM027 | 2 |
| <i>Aerva javanica</i> | 315628 | 7604284 | | |
| <i>Aerva javanica</i> | 315661 | 7613902 | WE031 | 10 |
| <i>Aerva javanica</i> | 315686 | 7601863 | WC028 | |
| <i>Aerva javanica</i> | 315697 | 7611609 | WK061 | |
| <i>Aerva javanica</i> | 315731 | 7614360 | WW87 | 9 |
| <i>Aerva javanica</i> | 315842 | 7615186 | WW86 | |
| <i>Aerva javanica</i> | 315855 | 7604590 | WJ014 | |
| <i>Aerva javanica</i> | 315865 | 7603871 | WC039 | |
| <i>Aerva javanica</i> | 315896 | 7604905 | WJ024 | |
| <i>Aerva javanica</i> | 315968 | 7619659 | WM017 | |
| <i>Aerva javanica</i> | 315970 | 7605832 | WK032 | |
| <i>Aerva javanica</i> | 315975 | 7614738 | WW88 | |
| <i>Aerva javanica</i> | 316030 | 7601247 | WK035 | |
| <i>Aerva javanica</i> | 316046 | 7604656 | WJ023 | |
| <i>Aerva javanica</i> | 316062 | 7615605 | | 25 |
| <i>Aerva javanica</i> | 316075 | 7611829 | WE034 | |
| <i>Aerva javanica</i> | 316105 | 7603915 | WC038R | |
| <i>Aerva javanica</i> | 316120 | 7612054 | WE035 | 15 |
| <i>Aerva javanica</i> | 316217 | 7598174 | WK016 | |
| <i>Aerva javanica</i> | 316258 | 7615379 | | 10 |
| <i>Aerva javanica</i> | 316266 | 7601661 | WC036 | |
| <i>Aerva javanica</i> | 316278 | 7615417 | | 35 |
| <i>Aerva javanica</i> | 316285 | 7607446 | WC030 | |
| <i>Aerva javanica</i> | 316294 | 7615302 | | 10 |
| <i>Aerva javanica</i> | 316295 | 7620039 | WJ059 | |
| <i>Aerva javanica</i> | 316302 | 7611293 | WK070 | |
| <i>Aerva javanica</i> | 316308 | 7614418 | WW89 | 95 |
| <i>Aerva javanica</i> | 316329 | 7615269 | | 5 |
| <i>Aerva javanica</i> | 316420 | 7615237 | WW37 | 1 |
| <i>Aerva javanica</i> | 316435 | 7612104 | WE033 | 30 |
| <i>Aerva javanica</i> | 316501 | 7603627 | | |
| <i>Aerva javanica</i> | 316537 | 7612081 | | |
| <i>Aerva javanica</i> | 316543 | 7617763 | WM043 | |
| <i>Aerva javanica</i> | 316551 | 7613924 | WM048 | |
| <i>Aerva javanica</i> | 316590 | 7613184 | WM047 | |
| <i>Aerva javanica</i> | 316624 | 7595406 | WK002 | |
| <i>Aerva javanica</i> | 316677 | 7599591 | WC007 | |
| <i>Aerva javanica</i> | 316740 | 7614220 | | 20 |
| <i>Aerva javanica</i> | 316756 | 7593610 | WK004 | 2 |
| <i>Aerva javanica</i> | 316776 | 7600581 | WK037 | |
| <i>Aerva javanica</i> | 316790 | 7608235 | | |
| <i>Aerva javanica</i> | 316797 | 7611185 | WK065 | |
| <i>Aerva javanica</i> | 316803 | 7607618 | WC032 | |
| <i>Aerva javanica</i> | 316804 | 7614696 | WW94 | |

| Taxon | Easting | Northing | Location | Abundance |
|-----------------------|---------|----------|----------|-----------|
| <i>Aerva javanica</i> | 316894 | 7618642 | WM022 | |
| <i>Aerva javanica</i> | 316906 | 7614811 | WW92 | |
| <i>Aerva javanica</i> | 317035 | 7588147 | WD014 | |
| <i>Aerva javanica</i> | 317107 | 7597407 | WJ006 | |
| <i>Aerva javanica</i> | 317169 | 7620016 | WD023 | |
| <i>Aerva javanica</i> | 317214 | 7598628 | WJ001 | |
| <i>Aerva javanica</i> | 317237 | 7597970 | WJ010 | |
| <i>Aerva javanica</i> | 317238 | 7590398 | | |
| <i>Aerva javanica</i> | 317251 | 7590259 | WC008 | |
| <i>Aerva javanica</i> | 317252 | 7601242 | WK034 | |
| <i>Aerva javanica</i> | 317268 | 7591166 | WD002 | |
| <i>Aerva javanica</i> | 317269 | 7614488 | WM046 | |
| <i>Aerva javanica</i> | 317277 | 7613538 | WM015 | |
| <i>Aerva javanica</i> | 317326 | 7590624 | | |
| <i>Aerva javanica</i> | 317382 | 7611630 | WK066 | |
| <i>Aerva javanica</i> | 317382 | 7605088 | WK071 | |
| <i>Aerva javanica</i> | 317407 | 7596222 | WC005 | |
| <i>Aerva javanica</i> | 317433 | 7598924 | WM001 | |
| <i>Aerva javanica</i> | 317454 | 7601207 | WK038 | |
| <i>Aerva javanica</i> | 317491 | 7593807 | WJ011 | |
| <i>Aerva javanica</i> | 317521 | 7611979 | WC059 | |
| <i>Aerva javanica</i> | 317548 | 7613879 | WJ054 | |
| <i>Aerva javanica</i> | 317607 | 7611892 | WC061 | |
| <i>Aerva javanica</i> | 317622 | 7590521 | WC009 | |
| <i>Aerva javanica</i> | 317656 | 7598443 | WK001 | |
| <i>Aerva javanica</i> | 317657 | 7598504 | | |
| <i>Aerva javanica</i> | 317673 | 7596418 | WC004 | |
| <i>Aerva javanica</i> | 317673 | 7594065 | WJ004 | |
| <i>Aerva javanica</i> | 317687 | 7588356 | WM011 | |
| <i>Aerva javanica</i> | 317709 | 7590740 | | |
| <i>Aerva javanica</i> | 317729 | 7611757 | WC062 | |
| <i>Aerva javanica</i> | 317731 | 7592594 | WM006 | |
| <i>Aerva javanica</i> | 317737 | 7596495 | WC003 | |
| <i>Aerva javanica</i> | 317783 | 7601374 | WE016 | 33 |
| <i>Aerva javanica</i> | 317801 | 7612768 | WC065 | |
| <i>Aerva javanica</i> | 317860 | 7587976 | WM013 | |
| <i>Aerva javanica</i> | 317881 | 7608485 | WK072 | |
| <i>Aerva javanica</i> | 317917 | 7612593 | WC066 | |
| <i>Aerva javanica</i> | 317941 | 7594111 | WJ002 | |
| <i>Aerva javanica</i> | 317969 | 7592312 | WM002 | |
| <i>Aerva javanica</i> | 318101 | 7594015 | WJ003 | |
| <i>Aerva javanica</i> | 318104 | 7611976 | WW104 | |
| <i>Aerva javanica</i> | 318130 | 7611699 | WW97 | 1 |
| <i>Aerva javanica</i> | 318156 | 7594150 | | |
| <i>Aerva javanica</i> | 318264 | 7611713 | WW95 | 25 |
| <i>Aerva javanica</i> | 318499 | 7600529 | WK023 | 5 |

| Taxon | Easting | Northing | Location | Abundance |
|---|---------|----------|----------|-----------|
| <i>Aerva javanica</i> | 318544 | 7612183 | WJ073 | |
| <i>Aerva javanica</i> | 318568 | 7611285 | WE044 | 1 |
| <i>Aerva javanica</i> | 318699 | 7611945 | WW102 | |
| <i>Aerva javanica</i> | 318718 | 7589025 | WM009 | |
| <i>Aerva javanica</i> | 318765 | 7611256 | WE043 | |
| <i>Aerva javanica</i> | 318773 | 7588804 | WM010 | |
| <i>Aerva javanica</i> | 318938 | 7611359 | WE042 | 1 |
| <i>Aerva javanica</i> | 318978 | 7596880 | WD041 | |
| <i>Aerva javanica</i> | 319043 | 7589094 | | |
| <i>Aerva javanica</i> | 319048 | 7612239 | WJ072 | |
| <i>Aerva javanica</i> | 319059 | 7608129 | WE026 | 12 |
| <i>Aerva javanica</i> | 319076 | 7611667 | WW125 | 12 |
| <i>Aerva javanica</i> | 319108 | 7607725 | WJ038 | |
| <i>Aerva javanica</i> | 319409 | 7601394 | WE003 | 7 |
| <i>Aerva javanica</i> | 319489 | 7608013 | WJ036 | |
| <i>Aerva javanica</i> | 319524 | 7607628 | WJ037 | |
| <i>Aerva javanica</i> | 319619 | 7609039 | WW140 | |
| <i>Aerva javanica</i> | 319660 | 7605253 | WK046 | |
| <i>Aerva javanica</i> | 319746 | 7608429 | WE020 | 17 |
| <i>Aerva javanica</i> | 319805 | 7609038 | WW121 | 150 |
| <i>Aerva javanica</i> | 319944 | 7610944 | WJ075 | |
| <i>Aerva javanica</i> | 319973 | 7603020 | | |
| <i>Aerva javanica</i> | 320061 | 7607684 | WJ035 | |
| <i>Aerva javanica</i> | 320229 | 7602650 | WJ016 | |
| <i>Aerva javanica</i> | 320259 | 7601663 | WK041 | |
| <i>Aerva javanica</i> | 320408 | 7611184 | WJ074 | |
| <i>Aerva javanica</i> | 320727 | 7609605 | WD036 | |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | 314333 | 7607462 | | 5 |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | 314333 | 7607462 | | 100 |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | 316285 | 7607446 | WC030 | |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | 316300 | 7607810 | | 15 |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | 317944 | 7607816 | | |
| <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | 319068 | 7609457 | | |
| <i>Calotropis procera</i> | 310697 | 7604022 | | 1 |
| <i>Calotropis procera</i> | 312478 | 7608316 | WC043 | |
| <i>Calotropis procera</i> | 313120 | 7601637 | WE007 | |
| <i>Calotropis procera</i> | 313176 | 7608965 | WW118 | 2 |
| <i>Calotropis procera</i> | 313192 | 7607318 | | 1 |
| <i>Calotropis procera</i> | 313359 | 7610184 | | |
| <i>Calotropis procera</i> | 313916 | 7608111 | | |
| <i>Calotropis procera</i> | 314314 | 7607465 | | 1 |
| <i>Calotropis procera</i> | 314452 | 7604958 | | 1 |
| <i>Calotropis procera</i> | 314642 | 7604882 | | 10 |
| <i>Calotropis procera</i> | 314653 | 7604243 | WK020 | 1 |
| <i>Calotropis procera</i> | 314667 | 7604887 | | 1 |
| <i>Calotropis procera</i> | 315163 | 7605061 | | 1 |

| Taxon | Easting | Northing | Location | Abundance |
|---------------------------|---------|----------|----------|-----------|
| <i>Calotropis procera</i> | 315163 | 7605061 | | |
| <i>Calotropis procera</i> | 315467 | 7611399 | | |
| <i>Calotropis procera</i> | 315592 | 7602688 | | 1 |
| <i>Calotropis procera</i> | 315592 | 7602688 | | |
| <i>Calotropis procera</i> | 315628 | 7604284 | | |
| <i>Calotropis procera</i> | 315685 | 7602584 | | 1 |
| <i>Calotropis procera</i> | 316010 | 7602308 | | 10 |
| <i>Calotropis procera</i> | 316044 | 7602318 | | 1 |
| <i>Calotropis procera</i> | 316056 | 7602326 | | 1 |
| <i>Calotropis procera</i> | 316076 | 7602287 | | 15 |
| <i>Calotropis procera</i> | 316165 | 7602307 | | 2 |
| <i>Calotropis procera</i> | 316224 | 7602297 | | 2 |
| <i>Calotropis procera</i> | 316300 | 7607810 | | 5 |
| <i>Calotropis procera</i> | 316303 | 7602267 | | 2 |
| <i>Calotropis procera</i> | 316324 | 7602251 | | 1 |
| <i>Calotropis procera</i> | 316394 | 7602220 | | 3 |
| <i>Calotropis procera</i> | 316441 | 7602180 | | 5 |
| <i>Calotropis procera</i> | 316449 | 7602132 | | 10 |
| <i>Calotropis procera</i> | 316472 | 7602182 | | 1 |
| <i>Calotropis procera</i> | 316894 | 7618642 | WM022 | |
| <i>Calotropis procera</i> | 317238 | 7598028 | | 1 |
| <i>Calotropis procera</i> | 317238 | 7598028 | | |
| <i>Calotropis procera</i> | 317607 | 7611892 | WC061 | |
| <i>Calotropis procera</i> | 317690 | 7601745 | | 1 |
| <i>Calotropis procera</i> | 317944 | 7607816 | | 3 |
| <i>Calotropis procera</i> | 317952 | 7607730 | | 1 |
| <i>Calotropis procera</i> | 318079 | 7601664 | | 1 |
| <i>Calotropis procera</i> | 318158 | 7607788 | | 1 |
| <i>Calotropis procera</i> | 319409 | 7601394 | WE003 | |
| <i>Calotropis procera</i> | 319998 | 7601612 | WK040 | 5 |
| <i>Cenchrus ciliaris</i> | 311856 | 7612807 | WM042 | |
| <i>Cenchrus ciliaris</i> | 311891 | 7617739 | WK060 | |
| <i>Cenchrus ciliaris</i> | 311927 | 7618020 | | |
| <i>Cenchrus ciliaris</i> | 311937 | 7615722 | WC045 | |
| <i>Cenchrus ciliaris</i> | 311939 | 7614752 | WK051 | |
| <i>Cenchrus ciliaris</i> | 311952 | 7608068 | WE036 | |
| <i>Cenchrus ciliaris</i> | 311990 | 7620191 | WD030 | |
| <i>Cenchrus ciliaris</i> | 312011 | 7612042 | WE050 | |
| <i>Cenchrus ciliaris</i> | 312026 | 7609432 | WK050 | |
| <i>Cenchrus ciliaris</i> | 312081 | 7609614 | WK049 | |
| <i>Cenchrus ciliaris</i> | 312105 | 7619000 | WD028 | |
| <i>Cenchrus ciliaris</i> | 312142 | 7616015 | | |
| <i>Cenchrus ciliaris</i> | 312143 | 7607911 | WE037 | |
| <i>Cenchrus ciliaris</i> | 312150 | 7614536 | WC050 | |
| <i>Cenchrus ciliaris</i> | 312172 | 7610409 | WE049 | |
| <i>Cenchrus ciliaris</i> | 312181 | 7617526 | | |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 312187 | 7616091 | | |
| <i>Cenchrus ciliaris</i> | 312193 | 7613265 | WD051 | |
| <i>Cenchrus ciliaris</i> | 312215 | 7611768 | WE051 | |
| <i>Cenchrus ciliaris</i> | 312216 | 7613544 | WD050 | |
| <i>Cenchrus ciliaris</i> | 312263 | 7610878 | WE048 | |
| <i>Cenchrus ciliaris</i> | 312286 | 7616336 | WC046 | |
| <i>Cenchrus ciliaris</i> | 312358 | 7615129 | WC053 | |
| <i>Cenchrus ciliaris</i> | 312364 | 7620716 | WD031 | |
| <i>Cenchrus ciliaris</i> | 312439 | 7609423 | WK048 | |
| <i>Cenchrus ciliaris</i> | 312453 | 7606597 | WC018 | |
| <i>Cenchrus ciliaris</i> | 312478 | 7608316 | WC043 | |
| <i>Cenchrus ciliaris</i> | 312480 | 7618268 | WK059 | |
| <i>Cenchrus ciliaris</i> | 312544 | 7619604 | | |
| <i>Cenchrus ciliaris</i> | 312545 | 7612881 | WJ048 | |
| <i>Cenchrus ciliaris</i> | 312610 | 7607165 | WJ032 | |
| <i>Cenchrus ciliaris</i> | 312673 | 7608549 | WC044R | |
| <i>Cenchrus ciliaris</i> | 312730 | 7616436 | WK052 | |
| <i>Cenchrus ciliaris</i> | 312794 | 7613025 | WJ049 | |
| <i>Cenchrus ciliaris</i> | 312831 | 7611805 | WE025 | |
| <i>Cenchrus ciliaris</i> | 312882 | 7592483 | WJ082 | |
| <i>Cenchrus ciliaris</i> | 312904 | 7590992 | WD045 | |
| <i>Cenchrus ciliaris</i> | 312912 | 7608299 | WW109 | 1 |
| <i>Cenchrus ciliaris</i> | 312938 | 7595653 | WM039 | |
| <i>Cenchrus ciliaris</i> | 312948 | 7608820 | WW107 | 10 |
| <i>Cenchrus ciliaris</i> | 312961 | 7608831 | | 700 |
| <i>Cenchrus ciliaris</i> | 312998 | 7617562 | WK056 | |
| <i>Cenchrus ciliaris</i> | 313001 | 7609396 | WW114 | |
| <i>Cenchrus ciliaris</i> | 313014 | 7607172 | WW115 | 20,000 |
| <i>Cenchrus ciliaris</i> | 313056 | 7613023 | WJ050 | |
| <i>Cenchrus ciliaris</i> | 313061 | 7610505 | WW105 | 3,000 |
| <i>Cenchrus ciliaris</i> | 313063 | 7591250 | WD044 | |
| <i>Cenchrus ciliaris</i> | 313075 | 7611906 | | |
| <i>Cenchrus ciliaris</i> | 313110 | 7610610 | | 150 |
| <i>Cenchrus ciliaris</i> | 313120 | 7601637 | WE007 | |
| <i>Cenchrus ciliaris</i> | 313129 | 7607270 | WW117 | 2,000 |
| <i>Cenchrus ciliaris</i> | 313135 | 7610749 | WW103 | 7 |
| <i>Cenchrus ciliaris</i> | 313138 | 7608775 | | |
| <i>Cenchrus ciliaris</i> | 313158 | 7611704 | WEREV004 | |
| <i>Cenchrus ciliaris</i> | 313162 | 7611747 | | |
| <i>Cenchrus ciliaris</i> | 313176 | 7608965 | WW118 | |
| <i>Cenchrus ciliaris</i> | 313199 | 7614175 | WJ043 | |
| <i>Cenchrus ciliaris</i> | 313200 | 7608378 | WW111 | 800 |
| <i>Cenchrus ciliaris</i> | 313207 | 7607594 | WW119 | 2 |
| <i>Cenchrus ciliaris</i> | 313217 | 7610782 | WW99 | 35 |
| <i>Cenchrus ciliaris</i> | 313220 | 7610381 | | 1,000 |
| <i>Cenchrus ciliaris</i> | 313223 | 7611002 | | 25 |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 313237 | 7611742 | | |
| <i>Cenchrus ciliaris</i> | 313241 | 7610076 | WW108 | |
| <i>Cenchrus ciliaris</i> | 313246 | 7611951 | | |
| <i>Cenchrus ciliaris</i> | 313265 | 7611851 | | |
| <i>Cenchrus ciliaris</i> | 313268 | 7610226 | WW110 | |
| <i>Cenchrus ciliaris</i> | 313282 | 7611696 | | |
| <i>Cenchrus ciliaris</i> | 313294 | 7609445 | WW112 | |
| <i>Cenchrus ciliaris</i> | 313301 | 7613638 | WJ040 | |
| <i>Cenchrus ciliaris</i> | 313315 | 7608856 | WW116 | |
| <i>Cenchrus ciliaris</i> | 313321 | 7609812 | WW106 | |
| <i>Cenchrus ciliaris</i> | 313382 | 7611852 | | |
| <i>Cenchrus ciliaris</i> | 313384 | 7611752 | | |
| <i>Cenchrus ciliaris</i> | 313391 | 7611942 | | |
| <i>Cenchrus ciliaris</i> | 313392 | 7620887 | WJ063 | |
| <i>Cenchrus ciliaris</i> | 313406 | 7612307 | WE027 | |
| <i>Cenchrus ciliaris</i> | 313476 | 7611844 | | |
| <i>Cenchrus ciliaris</i> | 313488 | 7620799 | WJ065 | |
| <i>Cenchrus ciliaris</i> | 313522 | 7611751 | | |
| <i>Cenchrus ciliaris</i> | 313532 | 7616593 | WK054 | |
| <i>Cenchrus ciliaris</i> | 313554 | 7607231 | WW122 | |
| <i>Cenchrus ciliaris</i> | 313569 | 7607838 | WW130 | |
| <i>Cenchrus ciliaris</i> | 313573 | 7599228 | | |
| <i>Cenchrus ciliaris</i> | 313577 | 7603029 | | |
| <i>Cenchrus ciliaris</i> | 313616 | 7611548 | | |
| <i>Cenchrus ciliaris</i> | 313632 | 7610747 | | |
| <i>Cenchrus ciliaris</i> | 313659 | 7611749 | | |
| <i>Cenchrus ciliaris</i> | 313664 | 7611650 | | |
| <i>Cenchrus ciliaris</i> | 313665 | 7587894 | WD007 | |
| <i>Cenchrus ciliaris</i> | 313694 | 7618219 | WE052 | |
| <i>Cenchrus ciliaris</i> | 313699 | 7620790 | WJ064 | |
| <i>Cenchrus ciliaris</i> | 313786 | 7612001 | WE029 | |
| <i>Cenchrus ciliaris</i> | 313788 | 7611467 | | |
| <i>Cenchrus ciliaris</i> | 313794 | 7614782 | WW78 | |
| <i>Cenchrus ciliaris</i> | 313814 | 7619407 | WJ069 | |
| <i>Cenchrus ciliaris</i> | 313867 | 7608026 | WW132 | |
| <i>Cenchrus ciliaris</i> | 313903 | 7615729 | WW-R01 | |
| <i>Cenchrus ciliaris</i> | 313986 | 7608058 | WW120 | |
| <i>Cenchrus ciliaris</i> | 314002 | 7607274 | WW126 | |
| <i>Cenchrus ciliaris</i> | 314030 | 7604987 | WE014 | |
| <i>Cenchrus ciliaris</i> | 314041 | 7607620 | WW76 | |
| <i>Cenchrus ciliaris</i> | 314041 | 7603488 | WC026 | |
| <i>Cenchrus ciliaris</i> | 314063 | 7607174 | WW124 | |
| <i>Cenchrus ciliaris</i> | 314074 | 7589682 | WD047 | |
| <i>Cenchrus ciliaris</i> | 314103 | 7616044 | WK057 | |
| <i>Cenchrus ciliaris</i> | 314115 | 7610878 | | |
| <i>Cenchrus ciliaris</i> | 314118 | 7605574 | WK026 | |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 314151 | 7609434 | WC057 | |
| <i>Cenchrus ciliaris</i> | 314180 | 7614226 | WW79 | 3,000 |
| <i>Cenchrus ciliaris</i> | 314207 | 7619776 | WJ068 | |
| <i>Cenchrus ciliaris</i> | 314215 | 7614287 | | 100 |
| <i>Cenchrus ciliaris</i> | 314278 | 7614395 | WW77 | 2 |
| <i>Cenchrus ciliaris</i> | 314317 | 7608388 | WK043 | |
| <i>Cenchrus ciliaris</i> | 314322 | 7604907 | | |
| <i>Cenchrus ciliaris</i> | 314330 | 7603109 | WC025 | |
| <i>Cenchrus ciliaris</i> | 314340 | 7615758 | | 1,200 |
| <i>Cenchrus ciliaris</i> | 314351 | 7613580 | WW71 | 2 |
| <i>Cenchrus ciliaris</i> | 314364 | 7613950 | | 20 |
| <i>Cenchrus ciliaris</i> | 314364 | 7613950 | | 300 |
| <i>Cenchrus ciliaris</i> | 314432 | 7607255 | | |
| <i>Cenchrus ciliaris</i> | 314436 | 7606326 | WE055 | |
| <i>Cenchrus ciliaris</i> | 314439 | 7615841 | WW21 | 6,000 |
| <i>Cenchrus ciliaris</i> | 314447 | 7606521 | | |
| <i>Cenchrus ciliaris</i> | 314451 | 7600898 | WE011 | |
| <i>Cenchrus ciliaris</i> | 314451 | 7605047 | | |
| <i>Cenchrus ciliaris</i> | 314461 | 7602189 | WE008 | |
| <i>Cenchrus ciliaris</i> | 314463 | 7615249 | WW25 | 1 |
| <i>Cenchrus ciliaris</i> | 314481 | 7593376 | WW52 | |
| <i>Cenchrus ciliaris</i> | 314555 | 7609981 | | |
| <i>Cenchrus ciliaris</i> | 314576 | 7614423 | | 2,000 |
| <i>Cenchrus ciliaris</i> | 314594 | 7614239 | | 3,500 |
| <i>Cenchrus ciliaris</i> | 314598 | 7596703 | WW06 | |
| <i>Cenchrus ciliaris</i> | 314620 | 7614099 | | 250 |
| <i>Cenchrus ciliaris</i> | 314653 | 7604243 | WK020 | |
| <i>Cenchrus ciliaris</i> | 314670 | 7614451 | | 25 |
| <i>Cenchrus ciliaris</i> | 314748 | 7605590 | WK025 | |
| <i>Cenchrus ciliaris</i> | 314760 | 7612196 | WJ047 | |
| <i>Cenchrus ciliaris</i> | 314767 | 7613411 | | 500 |
| <i>Cenchrus ciliaris</i> | 314780 | 7614750 | | 25 |
| <i>Cenchrus ciliaris</i> | 314780 | 7614750 | | 20,000 |
| <i>Cenchrus ciliaris</i> | 314792 | 7599765 | WC012 | |
| <i>Cenchrus ciliaris</i> | 314798 | 7614636 | WW60 | |
| <i>Cenchrus ciliaris</i> | 314820 | 7615762 | | |
| <i>Cenchrus ciliaris</i> | 314827 | 7615307 | | 50 |
| <i>Cenchrus ciliaris</i> | 314827 | 7613472 | WW75 | 7,500 |
| <i>Cenchrus ciliaris</i> | 314839 | 7607292 | WEREV005 | |
| <i>Cenchrus ciliaris</i> | 314852 | 7601876 | WE009 | |
| <i>Cenchrus ciliaris</i> | 314854 | 7599603 | | |
| <i>Cenchrus ciliaris</i> | 314875 | 7615504 | WW26 | |
| <i>Cenchrus ciliaris</i> | 314877 | 7609196 | WC058 | |
| <i>Cenchrus ciliaris</i> | 314887 | 7603720 | WE013 | |
| <i>Cenchrus ciliaris</i> | 314904 | 7612334 | WJ046 | |
| <i>Cenchrus ciliaris</i> | 314907 | 7604975 | | |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 314927 | 7614454 | | 30 |
| <i>Cenchrus ciliaris</i> | 314930 | 7599742 | | |
| <i>Cenchrus ciliaris</i> | 314932 | 7609281 | | |
| <i>Cenchrus ciliaris</i> | 314939 | 7616448 | WD034 | |
| <i>Cenchrus ciliaris</i> | 314955 | 7614207 | WW67 | 10 |
| <i>Cenchrus ciliaris</i> | 314966 | 7612655 | WW68 | |
| <i>Cenchrus ciliaris</i> | 315021 | 7603822 | WE002 | |
| <i>Cenchrus ciliaris</i> | 315023 | 7612087 | | |
| <i>Cenchrus ciliaris</i> | 315034 | 7617947 | WM025 | |
| <i>Cenchrus ciliaris</i> | 315035 | 7604364 | | |
| <i>Cenchrus ciliaris</i> | 315038 | 7588110 | WD009 | |
| <i>Cenchrus ciliaris</i> | 315045 | 7605030 | | |
| <i>Cenchrus ciliaris</i> | 315046 | 7604726 | WK027 | |
| <i>Cenchrus ciliaris</i> | 315067 | 7606858 | WK028 | |
| <i>Cenchrus ciliaris</i> | 315072 | 7614024 | WE030 | |
| <i>Cenchrus ciliaris</i> | 315099 | 7601120 | WE012 | |
| <i>Cenchrus ciliaris</i> | 315115 | 7615921 | WW22 | |
| <i>Cenchrus ciliaris</i> | 315163 | 7605061 | | |
| <i>Cenchrus ciliaris</i> | 315170 | 7591612 | WK012 | |
| <i>Cenchrus ciliaris</i> | 315195 | 7615101 | | 30 |
| <i>Cenchrus ciliaris</i> | 315234 | 7605268 | WJ022 | |
| <i>Cenchrus ciliaris</i> | 315242 | 7615140 | | 30 |
| <i>Cenchrus ciliaris</i> | 315247 | 7603643 | | |
| <i>Cenchrus ciliaris</i> | 315283 | 7601728 | WC027 | |
| <i>Cenchrus ciliaris</i> | 315325 | 7603901 | | |
| <i>Cenchrus ciliaris</i> | 315331 | 7600407 | WEREV001 | |
| <i>Cenchrus ciliaris</i> | 315340 | 7587665 | WD011 | |
| <i>Cenchrus ciliaris</i> | 315372 | 7599732 | WC015 | |
| <i>Cenchrus ciliaris</i> | 315374 | 7600029 | WC013 | |
| <i>Cenchrus ciliaris</i> | 315397 | 7604640 | | |
| <i>Cenchrus ciliaris</i> | 315421 | 7599402 | | |
| <i>Cenchrus ciliaris</i> | 315462 | 7589058 | WD016 | |
| <i>Cenchrus ciliaris</i> | 315495 | 7620651 | WJ057 | |
| <i>Cenchrus ciliaris</i> | 315498 | 7601967 | WC029 | |
| <i>Cenchrus ciliaris</i> | 315510 | 7611482 | WK062 | |
| <i>Cenchrus ciliaris</i> | 315511 | 7604321 | WJ029 | |
| <i>Cenchrus ciliaris</i> | 315524 | 7615281 | | 30 |
| <i>Cenchrus ciliaris</i> | 315551 | 7613489 | | |
| <i>Cenchrus ciliaris</i> | 315562 | 7612436 | WJ044 | |
| <i>Cenchrus ciliaris</i> | 315587 | 7620261 | | |
| <i>Cenchrus ciliaris</i> | 315592 | 7602688 | | |
| <i>Cenchrus ciliaris</i> | 315607 | 7616251 | WM027 | |
| <i>Cenchrus ciliaris</i> | 315628 | 7604284 | | |
| <i>Cenchrus ciliaris</i> | 315661 | 7613902 | WE031 | |
| <i>Cenchrus ciliaris</i> | 315675 | 7602555 | | |
| <i>Cenchrus ciliaris</i> | 315686 | 7601863 | WC028 | |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 315694 | 7620257 | WJ058 | |
| <i>Cenchrus ciliaris</i> | 315697 | 7611609 | WK061 | |
| <i>Cenchrus ciliaris</i> | 315699 | 7605231 | | |
| <i>Cenchrus ciliaris</i> | 315855 | 7606758 | WK030 | 1 |
| <i>Cenchrus ciliaris</i> | 315855 | 7604590 | WJ014 | |
| <i>Cenchrus ciliaris</i> | 315886 | 7602397 | | |
| <i>Cenchrus ciliaris</i> | 315950 | 7615734 | | 2,000 |
| <i>Cenchrus ciliaris</i> | 315970 | 7605832 | WK032 | |
| <i>Cenchrus ciliaris</i> | 315971 | 7605883 | WK031 | 1 |
| <i>Cenchrus ciliaris</i> | 315975 | 7614738 | WW88 | |
| <i>Cenchrus ciliaris</i> | 316018 | 7614367 | | 10,000 |
| <i>Cenchrus ciliaris</i> | 316019 | 7620552 | WJ062 | |
| <i>Cenchrus ciliaris</i> | 316030 | 7601247 | WK035 | |
| <i>Cenchrus ciliaris</i> | 316031 | 7601746 | | |
| <i>Cenchrus ciliaris</i> | 316046 | 7604656 | WJ023 | |
| <i>Cenchrus ciliaris</i> | 316075 | 7611829 | WE034 | |
| <i>Cenchrus ciliaris</i> | 316105 | 7603915 | WC038R | |
| <i>Cenchrus ciliaris</i> | 316120 | 7612054 | WE035 | |
| <i>Cenchrus ciliaris</i> | 316226 | 7606641 | WJ027 | |
| <i>Cenchrus ciliaris</i> | 316266 | 7601661 | WC036 | |
| <i>Cenchrus ciliaris</i> | 316285 | 7607446 | WC030 | |
| <i>Cenchrus ciliaris</i> | 316295 | 7620039 | WJ059 | |
| <i>Cenchrus ciliaris</i> | 316300 | 7599498 | WC006 | |
| <i>Cenchrus ciliaris</i> | 316301 | 7599138 | WD053A | |
| <i>Cenchrus ciliaris</i> | 316302 | 7611293 | WK070 | |
| <i>Cenchrus ciliaris</i> | 316308 | 7614418 | WW89 | 2,000 |
| <i>Cenchrus ciliaris</i> | 316327 | 7587963 | WD012 | |
| <i>Cenchrus ciliaris</i> | 316435 | 7612104 | WE033 | |
| <i>Cenchrus ciliaris</i> | 316501 | 7603627 | | |
| <i>Cenchrus ciliaris</i> | 316508 | 7601049 | WK036 | |
| <i>Cenchrus ciliaris</i> | 316523 | 7593563 | WK006 | |
| <i>Cenchrus ciliaris</i> | 316537 | 7612081 | | |
| <i>Cenchrus ciliaris</i> | 316547 | 7606396 | | |
| <i>Cenchrus ciliaris</i> | 316551 | 7613924 | WM048 | |
| <i>Cenchrus ciliaris</i> | 316624 | 7595406 | WK002 | |
| <i>Cenchrus ciliaris</i> | 316642 | 7619726 | WD024 | |
| <i>Cenchrus ciliaris</i> | 316677 | 7599591 | WC007 | |
| <i>Cenchrus ciliaris</i> | 316790 | 7608235 | | |
| <i>Cenchrus ciliaris</i> | 316803 | 7607618 | WC032 | |
| <i>Cenchrus ciliaris</i> | 316863 | 7598282 | | |
| <i>Cenchrus ciliaris</i> | 316872 | 7607799 | | |
| <i>Cenchrus ciliaris</i> | 316889 | 7611195 | | |
| <i>Cenchrus ciliaris</i> | 316894 | 7618642 | WM022 | |
| <i>Cenchrus ciliaris</i> | 317035 | 7588147 | WD014 | |
| <i>Cenchrus ciliaris</i> | 317038 | 7605962 | WJ025 | |
| <i>Cenchrus ciliaris</i> | 317038 | 7598138 | | |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 317087 | 7597467 | | |
| <i>Cenchrus ciliaris</i> | 317107 | 7597407 | WJ006 | |
| <i>Cenchrus ciliaris</i> | 317108 | 7597992 | | |
| <i>Cenchrus ciliaris</i> | 317165 | 7611882 | WK067 | |
| <i>Cenchrus ciliaris</i> | 317194 | 7597357 | | |
| <i>Cenchrus ciliaris</i> | 317214 | 7598628 | WJ001 | |
| <i>Cenchrus ciliaris</i> | 317229 | 7597826 | WD001 | |
| <i>Cenchrus ciliaris</i> | 317231 | 7597921 | | |
| <i>Cenchrus ciliaris</i> | 317237 | 7597447 | | |
| <i>Cenchrus ciliaris</i> | 317237 | 7597970 | WJ010 | |
| <i>Cenchrus ciliaris</i> | 317238 | 7590398 | | |
| <i>Cenchrus ciliaris</i> | 317251 | 7590259 | WC008 | |
| <i>Cenchrus ciliaris</i> | 317252 | 7601242 | WK034 | |
| <i>Cenchrus ciliaris</i> | 317267 | 7588161 | WC010 | |
| <i>Cenchrus ciliaris</i> | 317268 | 7591166 | WD002 | |
| <i>Cenchrus ciliaris</i> | 317269 | 7614488 | WM046 | |
| <i>Cenchrus ciliaris</i> | 317277 | 7613538 | WM015 | |
| <i>Cenchrus ciliaris</i> | 317316 | 7608110 | | |
| <i>Cenchrus ciliaris</i> | 317326 | 7590624 | | |
| <i>Cenchrus ciliaris</i> | 317347 | 7605078 | | |
| <i>Cenchrus ciliaris</i> | 317362 | 7597379 | | |
| <i>Cenchrus ciliaris</i> | 317364 | 7597459 | | |
| <i>Cenchrus ciliaris</i> | 317382 | 7611630 | WK066 | |
| <i>Cenchrus ciliaris</i> | 317382 | 7605088 | WK071 | |
| <i>Cenchrus ciliaris</i> | 317383 | 7590286 | | |
| <i>Cenchrus ciliaris</i> | 317384 | 7597411 | WJ007 | |
| <i>Cenchrus ciliaris</i> | 317401 | 7591029 | WD003 | |
| <i>Cenchrus ciliaris</i> | 317402 | 7612461 | WC063 | |
| <i>Cenchrus ciliaris</i> | 317426 | 7607655 | WC034 | |
| <i>Cenchrus ciliaris</i> | 317430 | 7597754 | | |
| <i>Cenchrus ciliaris</i> | 317433 | 7598924 | WM001 | |
| <i>Cenchrus ciliaris</i> | 317454 | 7601207 | WK038 | |
| <i>Cenchrus ciliaris</i> | 317489 | 7597452 | | |
| <i>Cenchrus ciliaris</i> | 317491 | 7593807 | WJ011 | |
| <i>Cenchrus ciliaris</i> | 317493 | 7588377 | WC011 | |
| <i>Cenchrus ciliaris</i> | 317498 | 7592526 | WM005 | |
| <i>Cenchrus ciliaris</i> | 317519 | 7590815 | | |
| <i>Cenchrus ciliaris</i> | 317521 | 7611979 | WC059 | |
| <i>Cenchrus ciliaris</i> | 317523 | 7620236 | WD021 | |
| <i>Cenchrus ciliaris</i> | 317532 | 7596187 | | |
| <i>Cenchrus ciliaris</i> | 317548 | 7613879 | WJ054 | |
| <i>Cenchrus ciliaris</i> | 317592 | 7596899 | | |
| <i>Cenchrus ciliaris</i> | 317597 | 7594179 | | |
| <i>Cenchrus ciliaris</i> | 317598 | 7605244 | | |
| <i>Cenchrus ciliaris</i> | 317600 | 7596000 | | |
| <i>Cenchrus ciliaris</i> | 317600 | 7597000 | | |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 317601 | 7593812 | | |
| <i>Cenchrus ciliaris</i> | 317603 | 7612174 | WC060 | |
| <i>Cenchrus ciliaris</i> | 317607 | 7611892 | WC061 | |
| <i>Cenchrus ciliaris</i> | 317622 | 7590521 | WC009 | |
| <i>Cenchrus ciliaris</i> | 317656 | 7598443 | WK001 | |
| <i>Cenchrus ciliaris</i> | 317663 | 7612078 | | |
| <i>Cenchrus ciliaris</i> | 317673 | 7596418 | WC004 | |
| <i>Cenchrus ciliaris</i> | 317673 | 7594065 | WJ004 | |
| <i>Cenchrus ciliaris</i> | 317680 | 7597202 | | |
| <i>Cenchrus ciliaris</i> | 317682 | 7599177 | WC001 | |
| <i>Cenchrus ciliaris</i> | 317687 | 7588356 | WM011 | |
| <i>Cenchrus ciliaris</i> | 317709 | 7590740 | | |
| <i>Cenchrus ciliaris</i> | 317731 | 7592594 | WM006 | |
| <i>Cenchrus ciliaris</i> | 317734 | 7596021 | | |
| <i>Cenchrus ciliaris</i> | 317737 | 7596495 | WC003 | |
| <i>Cenchrus ciliaris</i> | 317761 | 7598711 | | |
| <i>Cenchrus ciliaris</i> | 317783 | 7601374 | WE016 | |
| <i>Cenchrus ciliaris</i> | 317801 | 7612768 | WC065 | |
| <i>Cenchrus ciliaris</i> | 317831 | 7598898 | | |
| <i>Cenchrus ciliaris</i> | 317860 | 7587976 | WM013 | |
| <i>Cenchrus ciliaris</i> | 317864 | 7596127 | | |
| <i>Cenchrus ciliaris</i> | 317876 | 7597154 | | |
| <i>Cenchrus ciliaris</i> | 317881 | 7608485 | WK072 | |
| <i>Cenchrus ciliaris</i> | 317892 | 7605436 | WK047 | |
| <i>Cenchrus ciliaris</i> | 317941 | 7594111 | WJ002 | |
| <i>Cenchrus ciliaris</i> | 317969 | 7592312 | WM002 | |
| <i>Cenchrus ciliaris</i> | 317994 | 7616353 | WD035 | |
| <i>Cenchrus ciliaris</i> | 318050 | 7591912 | WM004 | |
| <i>Cenchrus ciliaris</i> | 318071 | 7600160 | | |
| <i>Cenchrus ciliaris</i> | 318087 | 7594026 | | |
| <i>Cenchrus ciliaris</i> | 318097 | 7608020 | | |
| <i>Cenchrus ciliaris</i> | 318098 | 7602468 | | |
| <i>Cenchrus ciliaris</i> | 318101 | 7594015 | WJ003 | |
| <i>Cenchrus ciliaris</i> | 318104 | 7611976 | WW104 | |
| <i>Cenchrus ciliaris</i> | 318106 | 7602433 | | |
| <i>Cenchrus ciliaris</i> | 318130 | 7596708 | | |
| <i>Cenchrus ciliaris</i> | 318141 | 7596840 | | |
| <i>Cenchrus ciliaris</i> | 318156 | 7594150 | | |
| <i>Cenchrus ciliaris</i> | 318158 | 7600539 | | |
| <i>Cenchrus ciliaris</i> | 318216 | 7597287 | | |
| <i>Cenchrus ciliaris</i> | 318226 | 7591498 | WD004 | |
| <i>Cenchrus ciliaris</i> | 318227 | 7597370 | | |
| <i>Cenchrus ciliaris</i> | 318264 | 7611713 | WW95 | 2,000 |
| <i>Cenchrus ciliaris</i> | 318267 | 7597602 | | |
| <i>Cenchrus ciliaris</i> | 318342 | 7587365 | | |
| <i>Cenchrus ciliaris</i> | 318368 | 7592170 | WM003 | |

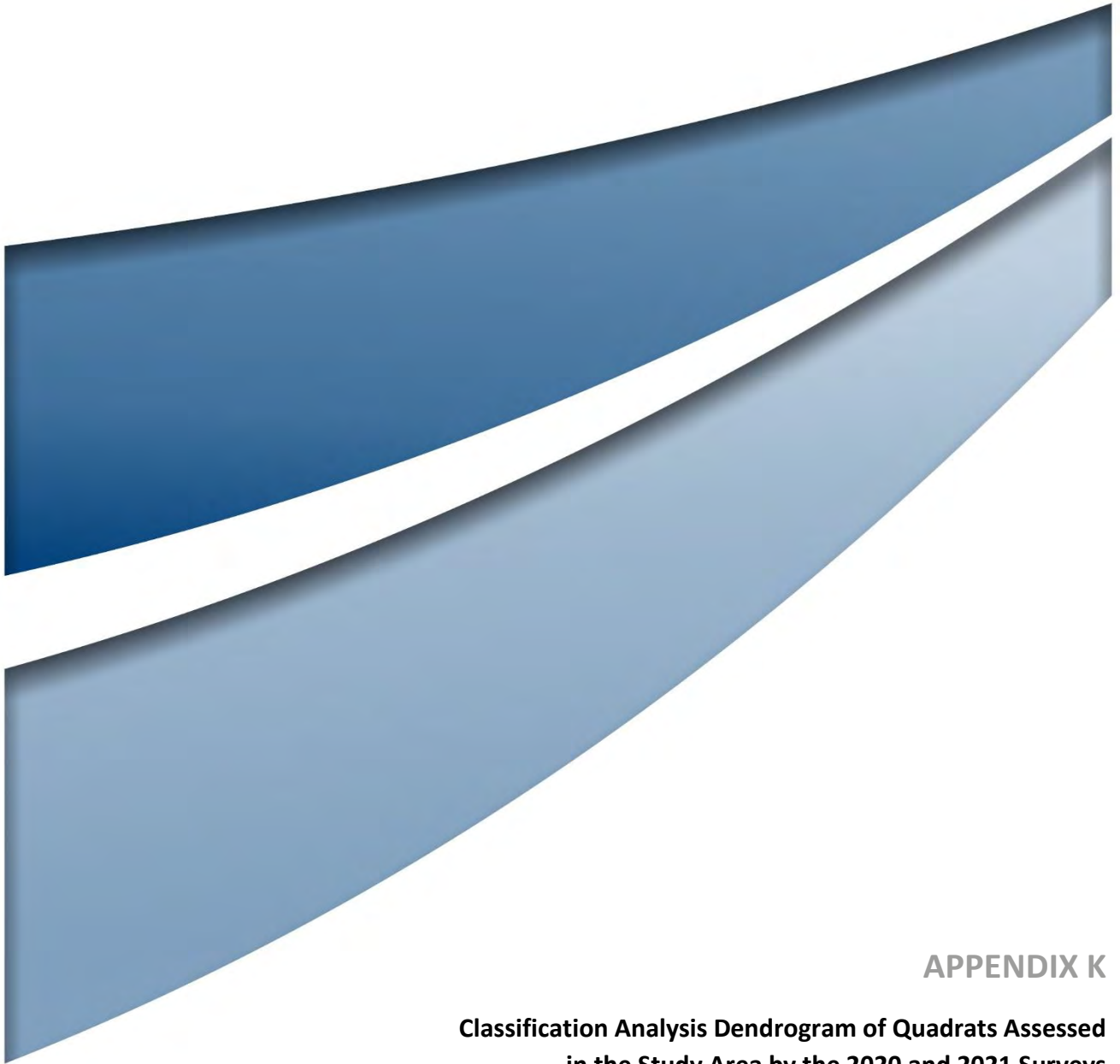
| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 318377 | 7596158 | | |
| <i>Cenchrus ciliaris</i> | 318421 | 7590159 | WM007 | |
| <i>Cenchrus ciliaris</i> | 318499 | 7600529 | WK023 | |
| <i>Cenchrus ciliaris</i> | 318517 | 7589492 | | |
| <i>Cenchrus ciliaris</i> | 318544 | 7612183 | WJ073 | |
| <i>Cenchrus ciliaris</i> | 318569 | 7593257 | WJ009 | |
| <i>Cenchrus ciliaris</i> | 318587 | 7613858 | WM028 | |
| <i>Cenchrus ciliaris</i> | 318718 | 7589025 | WM009 | |
| <i>Cenchrus ciliaris</i> | 318765 | 7611256 | WE043 | |
| <i>Cenchrus ciliaris</i> | 318773 | 7588804 | WM010 | |
| <i>Cenchrus ciliaris</i> | 318775 | 7607926 | | |
| <i>Cenchrus ciliaris</i> | 318782 | 7601513 | WD056 | |
| <i>Cenchrus ciliaris</i> | 318891 | 7593356 | WJ008 | |
| <i>Cenchrus ciliaris</i> | 318900 | 7590594 | WM008 | |
| <i>Cenchrus ciliaris</i> | 318907 | 7599359 | WJ012 | |
| <i>Cenchrus ciliaris</i> | 318946 | 7601291 | WC022 | |
| <i>Cenchrus ciliaris</i> | 318978 | 7596880 | WD041 | |
| <i>Cenchrus ciliaris</i> | 318983 | 7606849 | | |
| <i>Cenchrus ciliaris</i> | 318998 | 7589157 | | |
| <i>Cenchrus ciliaris</i> | 319017 | 7612328 | | |
| <i>Cenchrus ciliaris</i> | 319036 | 7606450 | | |
| <i>Cenchrus ciliaris</i> | 319043 | 7589094 | | |
| <i>Cenchrus ciliaris</i> | 319048 | 7612239 | WJ072 | |
| <i>Cenchrus ciliaris</i> | 319059 | 7608129 | WE026 | |
| <i>Cenchrus ciliaris</i> | 319060 | 7607435 | | |
| <i>Cenchrus ciliaris</i> | 319101 | 7609452 | | |
| <i>Cenchrus ciliaris</i> | 319107 | 7606850 | | |
| <i>Cenchrus ciliaris</i> | 319108 | 7607725 | WJ038 | |
| <i>Cenchrus ciliaris</i> | 319137 | 7606179 | | |
| <i>Cenchrus ciliaris</i> | 319141 | 7606951 | | |
| <i>Cenchrus ciliaris</i> | 319151 | 7603977 | | |
| <i>Cenchrus ciliaris</i> | 319187 | 7607149 | | |
| <i>Cenchrus ciliaris</i> | 319219 | 7606149 | | |
| <i>Cenchrus ciliaris</i> | 319245 | 7596995 | WD040 | |
| <i>Cenchrus ciliaris</i> | 319252 | 7607399 | | |
| <i>Cenchrus ciliaris</i> | 319253 | 7607751 | | |
| <i>Cenchrus ciliaris</i> | 319280 | 7609473 | | |
| <i>Cenchrus ciliaris</i> | 319285 | 7606848 | | |
| <i>Cenchrus ciliaris</i> | 319360 | 7601223 | WK021 | |
| <i>Cenchrus ciliaris</i> | 319361 | 7606750 | | |
| <i>Cenchrus ciliaris</i> | 319409 | 7601394 | WE003 | |
| <i>Cenchrus ciliaris</i> | 319423 | 7603700 | | |
| <i>Cenchrus ciliaris</i> | 319524 | 7607628 | WJ037 | |
| <i>Cenchrus ciliaris</i> | 319545 | 7603765 | WJ018 | |
| <i>Cenchrus ciliaris</i> | 319555 | 7605588 | WK044 | |
| <i>Cenchrus ciliaris</i> | 319590 | 7603727 | WEREV003 | |

| Taxon | Easting | Northing | Location | Abundance |
|--------------------------|---------|----------|----------|-----------|
| <i>Cenchrus ciliaris</i> | 319619 | 7607968 | | |
| <i>Cenchrus ciliaris</i> | 319619 | 7609039 | WW140 | |
| <i>Cenchrus ciliaris</i> | 319637 | 7609020 | | 200 |
| <i>Cenchrus ciliaris</i> | 319660 | 7605253 | WK046 | |
| <i>Cenchrus ciliaris</i> | 319726 | 7595941 | WJ078 | |
| <i>Cenchrus ciliaris</i> | 319733 | 7595541 | WJ079 | |
| <i>Cenchrus ciliaris</i> | 319746 | 7608429 | WE020 | |
| <i>Cenchrus ciliaris</i> | 319781 | 7595831 | | |
| <i>Cenchrus ciliaris</i> | 319799 | 7600703 | WE004 | |
| <i>Cenchrus ciliaris</i> | 319807 | 7595602 | | |
| <i>Cenchrus ciliaris</i> | 319818 | 7595693 | | |
| <i>Cenchrus ciliaris</i> | 319944 | 7610944 | WJ075 | |
| <i>Cenchrus ciliaris</i> | 319965 | 7599224 | WD038 | |
| <i>Cenchrus ciliaris</i> | 319973 | 7603020 | | |
| <i>Cenchrus ciliaris</i> | 319998 | 7601612 | WK040 | |
| <i>Cenchrus ciliaris</i> | 320061 | 7607684 | WJ035 | |
| <i>Cenchrus ciliaris</i> | 320229 | 7602650 | WJ016 | |
| <i>Cenchrus ciliaris</i> | 320259 | 7601663 | WK041 | |
| <i>Cenchrus ciliaris</i> | 320727 | 7609605 | WD036 | |
| <i>Cenchrus ciliaris</i> | 320991 | 7608789 | | |
| <i>Cenchrus setiger</i> | 311952 | 7608068 | WE036 | |
| <i>Cenchrus setiger</i> | 312172 | 7610409 | WE049 | |
| <i>Cenchrus setiger</i> | 314180 | 7614226 | WW79 | 4 |
| <i>Cenchrus setiger</i> | 314653 | 7604243 | WK020 | |
| <i>Cenchrus setiger</i> | 315340 | 7587665 | WD011 | |
| <i>Cenchrus setiger</i> | 315511 | 7604321 | WJ029 | |
| <i>Cenchrus setiger</i> | 315628 | 7604284 | | |
| <i>Cenchrus setiger</i> | 315970 | 7605832 | WK032 | |
| <i>Cenchrus setiger</i> | 316327 | 7587963 | WD012 | |
| <i>Cenchrus setiger</i> | 316508 | 7601049 | WK036 | |
| <i>Cenchrus setiger</i> | 317382 | 7605088 | WK071 | |
| <i>Cenchrus setiger</i> | 317454 | 7601207 | WK038 | |
| <i>Cenchrus setiger</i> | 320061 | 7607684 | WJ035 | |
| <i>Citrullus amarus</i> | 311952 | 7608068 | WE036 | |
| <i>Citrullus amarus</i> | 312011 | 7612042 | WE050 | |
| <i>Citrullus amarus</i> | 312358 | 7615129 | WC053 | |
| <i>Citrullus amarus</i> | 313063 | 7591250 | WD044 | |
| <i>Citrullus amarus</i> | 313488 | 7620799 | WJ065 | |
| <i>Citrullus amarus</i> | 313554 | 7607231 | WW122 | |
| <i>Citrullus amarus</i> | 313694 | 7618219 | WE052 | |
| <i>Citrullus amarus</i> | 313814 | 7619407 | WJ069 | |
| <i>Citrullus amarus</i> | 314041 | 7603488 | WC026 | |
| <i>Citrullus amarus</i> | 314074 | 7589682 | WD047 | |
| <i>Citrullus amarus</i> | 314463 | 7614030 | | |
| <i>Citrullus amarus</i> | 314760 | 7612196 | WJ047 | |
| <i>Citrullus amarus</i> | 314887 | 7603720 | WE013 | |

| Taxon | Easting | Northing | Location | Abundance |
|------------------------------|---------|----------|----------|-----------|
| <i>Citrullus amarus</i> | 314904 | 7612334 | WJ046 | |
| <i>Citrullus amarus</i> | 314939 | 7616448 | WD034 | |
| <i>Citrullus amarus</i> | 314966 | 7612655 | WW68 | |
| <i>Citrullus amarus</i> | 315115 | 7615921 | WW22 | |
| <i>Citrullus amarus</i> | 315283 | 7601728 | WC027 | |
| <i>Citrullus amarus</i> | 315340 | 7587665 | WD011 | |
| <i>Citrullus amarus</i> | 315374 | 7600029 | WC013 | |
| <i>Citrullus amarus</i> | 315686 | 7601863 | WC028 | |
| <i>Citrullus amarus</i> | 316266 | 7601661 | WC036 | |
| <i>Citrullus amarus</i> | 316285 | 7607446 | WC030 | |
| <i>Citrullus amarus</i> | 316308 | 7614418 | WW89 | |
| <i>Citrullus amarus</i> | 316327 | 7587963 | WD012 | |
| <i>Citrullus amarus</i> | 316551 | 7613924 | WM048 | |
| <i>Citrullus amarus</i> | 316803 | 7607618 | WC032 | |
| <i>Citrullus amarus</i> | 317237 | 7597970 | WJ010 | |
| <i>Citrullus amarus</i> | 317521 | 7611979 | WC059 | |
| <i>Citrullus amarus</i> | 317523 | 7620236 | WD021 | |
| <i>Citrullus amarus</i> | 317603 | 7612174 | WC060 | |
| <i>Citrullus amarus</i> | 317607 | 7611892 | WC061 | |
| <i>Citrullus amarus</i> | 317709 | 7590740 | | |
| <i>Citrullus amarus</i> | 317783 | 7601374 | WE016 | |
| <i>Citrullus amarus</i> | 317801 | 7612768 | WC065 | |
| <i>Citrullus amarus</i> | 318101 | 7594015 | WJ003 | |
| <i>Citrullus amarus</i> | 318544 | 7612183 | WJ073 | |
| <i>Citrullus amarus</i> | 318907 | 7599359 | WJ012 | |
| <i>Citrullus amarus</i> | 319108 | 7607725 | WJ038 | |
| <i>Citrullus amarus</i> | 319524 | 7607628 | WJ037 | |
| <i>Citrullus amarus</i> | 319733 | 7595541 | WJ079 | |
| <i>Citrullus amarus</i> | 319746 | 7608429 | WE020 | |
| <i>Citrullus amarus</i> | 319944 | 7610944 | WJ075 | |
| <i>Citrullus amarus</i> | 320061 | 7607684 | WJ035 | |
| <i>Citrullus colocynthis</i> | 312730 | 7616436 | WK052 | |
| <i>Citrullus colocynthis</i> | 313120 | 7601637 | WE007 | |
| <i>Citrullus colocynthis</i> | 313430 | 7602049 | WE006 | |
| <i>Citrullus colocynthis</i> | 314103 | 7616044 | WK057 | |
| <i>Citrullus colocynthis</i> | 314152 | 7601686 | WE010 | |
| <i>Citrullus colocynthis</i> | 314653 | 7604243 | WK020 | |
| <i>Citrullus colocynthis</i> | 314887 | 7603720 | WE013 | |
| <i>Citrullus colocynthis</i> | 315021 | 7603822 | WE002 | |
| <i>Citrullus colocynthis</i> | 315234 | 7605268 | WJ022 | |
| <i>Citrullus colocynthis</i> | 315511 | 7604321 | WJ029 | |
| <i>Citrullus colocynthis</i> | 315628 | 7604284 | | |
| <i>Citrullus colocynthis</i> | 315628 | 7604284 | | |
| <i>Citrullus colocynthis</i> | 315970 | 7605832 | WK032 | |
| <i>Citrullus colocynthis</i> | 316046 | 7604656 | WJ023 | |
| <i>Citrullus colocynthis</i> | 316302 | 7611293 | WK070 | |

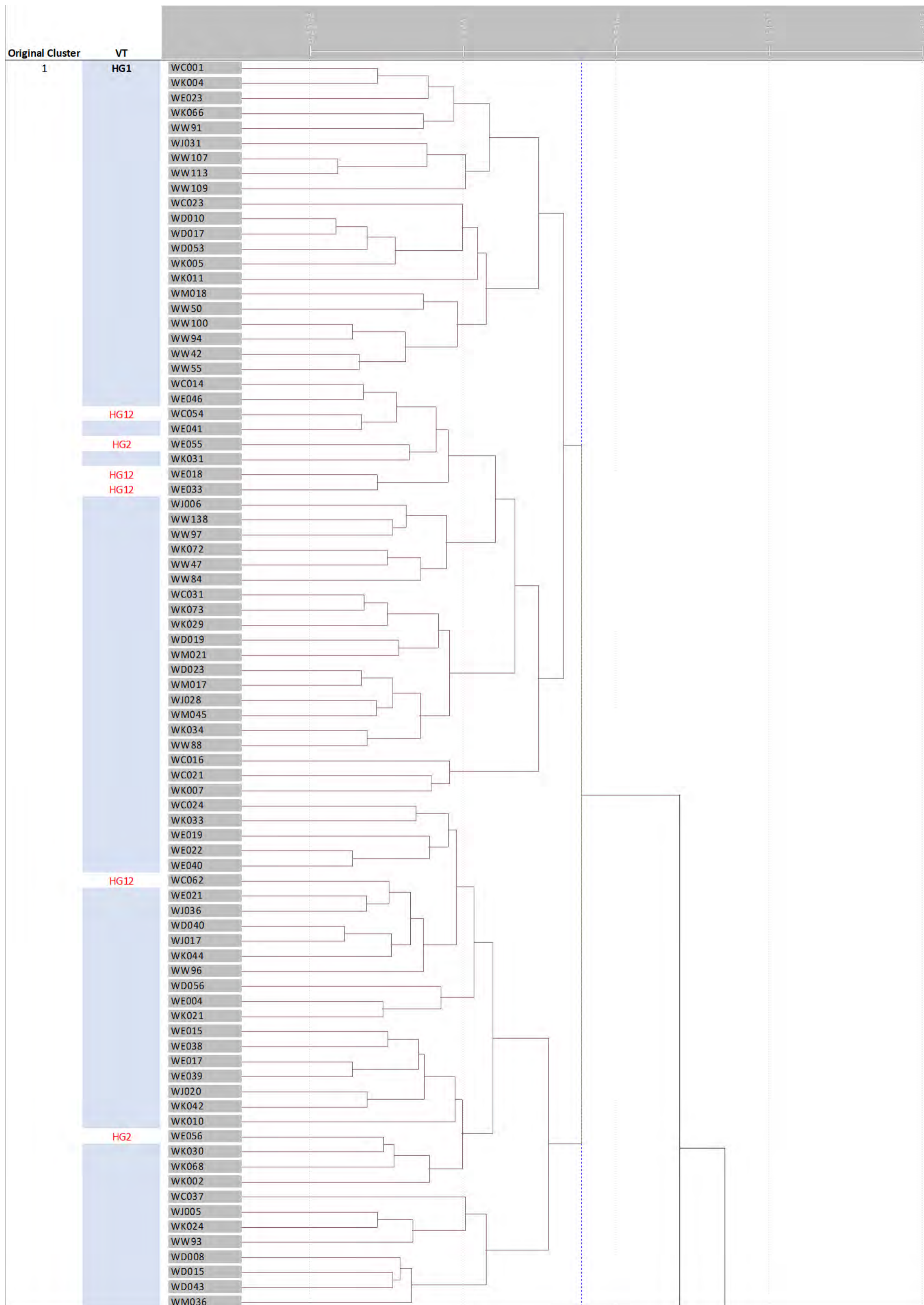
| Taxon | Easting | Northing | Location | Abundance |
|---|---------|----------|----------|-----------|
| <i>Citrullus colocynthis</i> | 317382 | 7605088 | WK071 | |
| <i>Citrullus colocynthis</i> | 317454 | 7601207 | WK038 | |
| <i>Citrullus colocynthis</i> | 318499 | 7600529 | WK023 | |
| <i>Citrullus colocynthis</i> | 319048 | 7612239 | WJ072 | |
| <i>Citrullus colocynthis</i> | 319998 | 7601612 | WK040 | |
| <i>Citrullus ?colocynthis</i> | 317269 | 7614488 | WM046 | |
| <i>Cynodon dactylon</i> | 313014 | 7607172 | WW115 | |
| <i>Cynodon dactylon</i> | 314653 | 7604243 | WK020 | |
| <i>Cynodon dactylon</i> | 315592 | 7602688 | | |
| <i>Cynodon dactylon</i> | 317382 | 7605088 | WK071 | |
| <i>Cynodon dactylon</i> | 319998 | 7601612 | WK040 | |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 311952 | 7608068 | WE036 | |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 313554 | 7607231 | WW122 | |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 314653 | 7604243 | WK020 | 3 |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 316285 | 7607446 | WC030 | |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 317382 | 7605088 | WK071 | |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 318379 | 7597959 | | |
| <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | 319733 | 7595541 | WJ079 | |
| <i>Heliotropium europaeum</i> | 312060 | 7613200 | | |
| <i>Heliotropium europaeum</i> | 314357 | 7607510 | | |
| <i>Malvastrum americanum</i> | 313014 | 7607172 | WW115 | |
| <i>Malvastrum americanum</i> | 313069 | 7609166 | | |
| <i>Malvastrum americanum</i> | 313268 | 7610226 | WW110 | |
| <i>Malvastrum americanum</i> | 313294 | 7609445 | WW112 | |
| <i>Malvastrum americanum</i> | 313554 | 7607231 | WW122 | |
| <i>Malvastrum americanum</i> | 313694 | 7618219 | WE052 | |
| <i>Malvastrum americanum</i> | 313867 | 7608026 | WW132 | |
| <i>Malvastrum americanum</i> | 314041 | 7603488 | WC026 | |
| <i>Malvastrum americanum</i> | 314653 | 7604243 | WK020 | |
| <i>Malvastrum americanum</i> | 314827 | 7613472 | WW75 | |
| <i>Malvastrum americanum</i> | 314939 | 7616448 | WD034 | |
| <i>Malvastrum americanum</i> | 315034 | 7617947 | WM025 | |
| <i>Malvastrum americanum</i> | 315511 | 7604321 | WJ029 | |
| <i>Malvastrum americanum</i> | 315628 | 7604284 | | |
| <i>Malvastrum americanum</i> | 315628 | 7604284 | | |
| <i>Malvastrum americanum</i> | 316285 | 7607446 | WC030 | |
| <i>Malvastrum americanum</i> | 316327 | 7587963 | WD012 | |
| <i>Malvastrum americanum</i> | 317267 | 7588161 | WC010 | |
| <i>Malvastrum americanum</i> | 317401 | 7591029 | WD003 | |
| <i>Malvastrum americanum</i> | 317523 | 7620236 | WD021 | |
| <i>Malvastrum americanum</i> | 319944 | 7610944 | WJ075 | |
| <i>Rumex vesicarius</i> | 315592 | 7602688 | | |
| <i>Rumex vesicarius</i> | 315592 | 7602688 | | |
| <i>Setaria verticillata</i> | 311952 | 7608068 | WE036 | |
| <i>Setaria verticillata</i> | 313014 | 7607172 | WW115 | |
| <i>Solanum nigrum</i> | 313014 | 7607172 | WW115 | |

| Taxon | Easting | Northing | Location | Abundance |
|----------------------------------|---------|----------|----------|-----------|
| <i>Sonchus oleraceus</i> | 319733 | 7595541 | WJ079 | |
| <i>Trianthema portulacastrum</i> | 313554 | 7607231 | WW122 | |
| <i>Trianthema portulacastrum</i> | 316285 | 7607446 | WC030 | |
| <i>Trianthema portulacastrum</i> | 317382 | 7605088 | WK071 | |
| <i>Trianthema portulacastrum</i> | 318049 | 7607805 | | |
| <i>Tribulus terrestris</i> | 311856 | 7612807 | WM042 | |
| <i>Tribulus terrestris</i> | 312026 | 7609432 | WK050 | |
| <i>Tribulus terrestris</i> | 312193 | 7613265 | WD051 | |
| <i>Tribulus terrestris</i> | 313061 | 7610505 | WW105 | |
| <i>Tribulus terrestris</i> | 313129 | 7607270 | WW117 | |
| <i>Tribulus terrestris</i> | 313135 | 7610749 | WW103 | |
| <i>Tribulus terrestris</i> | 313176 | 7608965 | WW118 | |
| <i>Tribulus terrestris</i> | 313200 | 7608378 | WW111 | |
| <i>Tribulus terrestris</i> | 313217 | 7610782 | WW99 | |
| <i>Tribulus terrestris</i> | 313268 | 7610226 | WW110 | |
| <i>Tribulus terrestris</i> | 313315 | 7608856 | WW116 | |
| <i>Tribulus terrestris</i> | 313576 | 7613866 | WJ042 | |
| <i>Tribulus terrestris</i> | 314002 | 7607274 | WW126 | |
| <i>Tribulus terrestris</i> | 314330 | 7603109 | WC025 | |
| <i>Tribulus terrestris</i> | 314827 | 7613472 | WW75 | |
| <i>Tribulus terrestris</i> | 314904 | 7612334 | WJ046 | |
| <i>Tribulus terrestris</i> | 316285 | 7607446 | WC030 | |
| <i>Tribulus terrestris</i> | 316285 | 7607446 | | 1 |
| <i>Tribulus terrestris</i> | 316285 | 7607446 | | 1 |
| <i>Tribulus terrestris</i> | 319524 | 7607628 | WJ037 | |
| <i>Tribulus terrestris</i> | 319619 | 7609039 | WW140 | |
| <i>Vachellia farnesiana</i> | 312172 | 7610409 | WE049 | |
| <i>Vachellia farnesiana</i> | 312439 | 7609423 | WK048 | |
| <i>Vachellia farnesiana</i> | 312545 | 7612881 | WJ048 | |
| <i>Vachellia farnesiana</i> | 313014 | 7607172 | WW115 | 3 |
| <i>Vachellia farnesiana</i> | 313061 | 7610505 | WW105 | 3 |
| <i>Vachellia farnesiana</i> | 313129 | 7607270 | WW117 | 1 |
| <i>Vachellia farnesiana</i> | 313268 | 7610226 | WW110 | |
| <i>Vachellia farnesiana</i> | 313294 | 7609445 | WW112 | |
| <i>Vachellia farnesiana</i> | 313554 | 7607231 | WW122 | |
| <i>Vachellia farnesiana</i> | 314041 | 7603488 | WC026 | |
| <i>Vachellia farnesiana</i> | 314653 | 7604243 | WK020 | |
| <i>Vachellia farnesiana</i> | 317401 | 7591029 | WD003 | |
| <i>Vachellia farnesiana</i> | 318544 | 7612183 | WJ073 | |



APPENDIX K

**Classification Analysis Dendrogram of Quadrats Assessed
in the Study Area by the 2020 and 2021 Surveys**



| | | | | | | | | | |
|---|------------|------------|-------|--|--|--|--|--|--|
| 2 | HG2 | WC048 | | | | | | | |
| | HG12 | WM024 | | | | | | | |
| | HG12 | WJ056 | | | | | | | |
| | | WJ024 | | | | | | | |
| | HG12 | WD014 | | | | | | | |
| | | WK053 | | | | | | | |
| | HG5 | WJ063 | | | | | | | |
| | HG12 | WD030 | | | | | | | |
| | | WJ021 | | | | | | | |
| | | WJ066 | | | | | | | |
| 3 | | WM002 | | | | | | | |
| | | WK055 | | | | | | | |
| | | WW25 | | | | | | | |
| | | WW116 | | | | | | | |
| | HG5 | WW67 | | | | | | | |
| | HG3 | WD004 | | | | | | | |
| | HG4 | WE008 | | | | | | | |
| | | WK036 | | | | | | | |
| 4 | | WJ003 | | | | | | | |
| | | WM009 | | | | | | | |
| | | WM010 | | | | | | | |
| | | WM007 | | | | | | | |
| | 5 | HG4 | WC004 | | | | | | |
| | | | WJ004 | | | | | | |
| | | | WW132 | | | | | | |
| | | | WC018 | | | | | | |
| | | | WK043 | | | | | | |
| | | | WJ014 | | | | | | |
| | | | WC025 | | | | | | |
| | | | WD051 | | | | | | |
| | | | WE050 | | | | | | |
| | | | WE027 | | | | | | |
| | | | WW118 | | | | | | |
| | | | WW105 | | | | | | |
| | | | WW111 | | | | | | |
| | | | WJ048 | | | | | | |
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| | | WE009 | | | | | | | |
| | | WJ029 | | | | | | | |
| | | WK048 | | | | | | | |
| | | WE049 | | | | | | | |
| | | WW112 | | | | | | | |
| 6 | HG5 | WC011 | | | | | | | |
| | | WJ001 | | | | | | | |
| | | WM004 | | | | | | | |
| | | WE001 | | | | | | | |
| | | WK026 | | | | | | | |
| | | WE031 | | | | | | | |
| | | WK067 | | | | | | | |
| | | WE014 | | | | | | | |
| | | WK001 | | | | | | | |
| | | WK054 | | | | | | | |
| | | WC022 | | | | | | | |
| | | WC060 | | | | | | | |
| | | WC063 | | | | | | | |
| | | WM015 | | | | | | | |
| 7 | HG6 | WC006 | | | | | | | |
| | | WK050 | | | | | | | |
| | | WW106 | | | | | | | |
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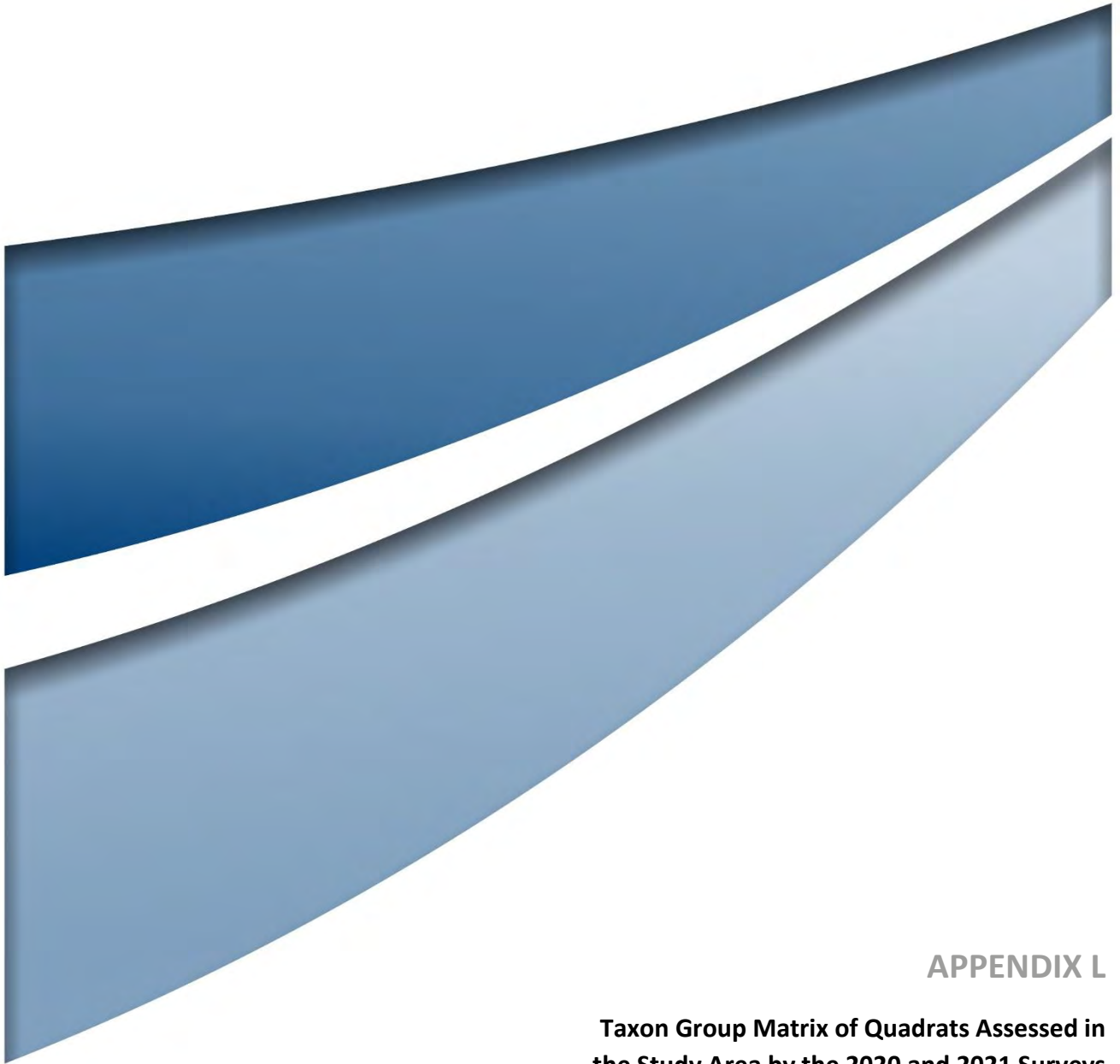
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|-------|------|--------|-----|-------|--|--|--|--|--|
| 8 | HG7 | WC008 | | | | | | | |
| | | WC019 | | | | | | | |
| | | WC050 | | | | | | | |
| | | WK059 | | | | | | | |
| | | WD028 | | | | | | | |
| | | WC057 | | | | | | | |
| | | WD018 | | | | | | | |
| | | WC034 | | | | | | | |
| | | WW101 | | | | | | | |
| | | WW124 | | | | | | | |
| | | WC051 | | | | | | | |
| | | WD050 | | | | | | | |
| | | WK058 | | | | | | | |
| | | WD031 | | | | | | | |
| | | WE026 | | | | | | | |
| | | WJ064 | | | | | | | |
| | | WE007 | | | | | | | |
| | | WE047 | | | | | | | |
| | | WK065 | | | | | | | |
| | | WJ015 | | | | | | | |
| | | WJ018 | | | | | | | |
| | | WJ027 | | | | | | | |
| | | WJ022 | | | | | | | |
| | | WK025 | | | | | | | |
| | | WJ050 | | | | | | | |
| | | WJ052 | | | | | | | |
| | | WK006 | | | | | | | |
| | | WW98 | | | | | | | |
| | | WK012 | | | | | | | |
| | | WD045 | | | | | | | |
| | | WW23 | | | | | | | |
| | | | S1 | WW58 | | | | | |
| | | 9 | HG8 | WC042 | | | | | |
| WK049 | | | | | | | | | |
| WE006 | | | | | | | | | |
| WE010 | | | | | | | | | |
| WE011 | | | | | | | | | |
| WE042 | | | | | | | | | |
| WK051 | | | | | | | | | |
| WM042 | | | | | | | | | |
| WE025 | | | | | | | | | |
| WE051 | | | | | | | | | |
| WW119 | | | | | | | | | |
| WC045 | | | | | | | | | |
| WE043 | | | | | | | | | |
| WE044 | | | | | | | | | |
| WC043 | | | | | | | | | |
| WJ032 | | | | | | | | | |
| WE012 | | | | | | | | | |
| WE002 | | | | | | | | | |
| WK027 | | | | | | | | | |
| WE037 | | | | | | | | | |
| WK060 | | | | | | | | | |
| WW126 | | | | | | | | | |
| WW103 | | | | | | | | | |
| WW99 | | | | | | | | | |
| WC059 | | | | | | | | | |
| WC061 | | | | | | | | | |
| WJ046 | | | | | | | | | |
| WJ072 | | | | | | | | | |
| WJ042 | | | | | | | | | |
| WJ047 | | | | | | | | | |
| WW104 | | | | | | | | | |
| WK062 | | | | | | | | | |
| 10 | HG9 | WD053A | | | | | | | |
| | | WE048 | | | | | | | |
| | | WW108 | | | | | | | |
| | | WW120 | | | | | | | |
| 11 | HG10 | WC002 | | | | | | | |
| | | WD005 | | | | | | | |
| | | WK045 | | | | | | | |
| | | WJ016 | | | | | | | |
| | | WK039 | | | | | | | |
| | | WM020 | | | | | | | |
| | | WM014 | | | | | | | |
| | | WM033 | | | | | | | |
| | | WD022 | | | | | | | |
| | | WM032 | | | | | | | |
| | | WW123 | | | | | | | |
| | | WW125 | | | | | | | |
| | | WD036 | | | | | | | |
| | | WJ074 | | | | | | | |
| | | WJ008 | | | | | | | |
| | | WW102 | | | | | | | |
| | | WW136 | | | | | | | |
| WW121 | | | | | | | | | |
| WW134 | | | | | | | | | |

| | | | | | | | | |
|-------|-------|-------|--|--|--|--|--|--|
| 12 | HG12 | WD027 | | | | | | |
| | HG11 | WM026 | | | | | | |
| | HG11 | WE053 | | | | | | |
| | HG10 | WJ068 | | | | | | |
| | HG10 | WJ071 | | | | | | |
| | HG10 | WD033 | | | | | | |
| | HG10 | WD037 | | | | | | |
| | HG1 | WK008 | | | | | | |
| | HG12 | WE028 | | | | | | |
| | HG12 | WE029 | | | | | | |
| | HG5 | WE030 | | | | | | |
| | HG12 | WE034 | | | | | | |
| 13 | HG11 | WC017 | | | | | | |
| | | WK017 | | | | | | |
| | | WK061 | | | | | | |
| | | WM031 | | | | | | |
| | | WW26 | | | | | | |
| | | WW24 | | | | | | |
| | | WW80 | | | | | | |
| | | WW82 | | | | | | |
| | | WK070 | | | | | | |
| | | WW27 | | | | | | |
| | | WW69 | | | | | | |
| | | WE054 | | | | | | |
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| | | WW63 | | | | | | |
| | | WM012 | | | | | | |
| | | WW13 | | | | | | |
| | | WW15 | | | | | | |
| | | WW29 | | | | | | |
| | WW12 | | | | | | | |
| | WW16 | | | | | | | |
| | WW14 | | | | | | | |
| | WW17 | | | | | | | |
| | WC020 | | | | | | | |
| | WJ013 | | | | | | | |
| | S1 | WW45 | | | | | | |
| | | WE045 | | | | | | |
| | | WM016 | | | | | | |
| | | WK015 | | | | | | |
| | | WJ026 | | | | | | |
| | | WM030 | | | | | | |
| | | WW02 | | | | | | |
| | | WD006 | | | | | | |
| | | WD042 | | | | | | |
| | | WJ080 | | | | | | |
| | | WD052 | | | | | | |
| | | WK009 | | | | | | |
| | | WK003 | | | | | | |
| | | WW57 | | | | | | |
| | | WK069 | | | | | | |
| | | WW35 | | | | | | |
| | | WW31 | | | | | | |
| | | WD013 | | | | | | |
| WK014 | | | | | | | | |
| WJ030 | | | | | | | | |
| WW48 | | | | | | | | |
| WW65 | | | | | | | | |
| 14 | | WC055 | | | | | | |
| | | WK063 | | | | | | |
| | WJ040 | | | | | | | |
| | WK019 | | | | | | | |
| | WW66 | | | | | | | |
| | WE005 | | | | | | | |
| | WK064 | | | | | | | |
| | WJ077 | | | | | | | |
| | WE024 | | | | | | | |
| | WJ039 | | | | | | | |
| | WD039 | | | | | | | |
| | WJ076 | | | | | | | |
| | WM034 | | | | | | | |
| | WM035 | | | | | | | |
| | WC058 | | | | | | | |
| | WJ025 | | | | | | | |
| | WW62 | | | | | | | |
| | WC066 | | | | | | | |
| | WJ081 | | | | | | | |
| | WJ057 | | | | | | | |
| | WM044 | | | | | | | |
| | WM047 | | | | | | | |
| | WJ061 | | | | | | | |
| | WJ054 | | | | | | | |
| 15 | HG11 | WC033 | | | | | | |
| | HG12 | WC064 | | | | | | |
| | HG11 | WD025 | | | | | | |
| | HG11 | WK022 | | | | | | |

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|-------|------|-------|----|-------|--|--|--|
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| | S1 | WM041 | | | | | |
| | HG1 | WJ060 | | | | | |
| | HG11 | WW54 | | | | | |
| | HG10 | WJ070 | | | | | |
| | HG10 | WM029 | | | | | |
| 17 | HG11 | WD049 | | | | | |
| | HG11 | WW53 | | | | | |
| | HG11 | WW51 | | | | | |
| | HG1 | WJ019 | | | | | |
| | HG11 | WW28 | | | | | |
| | HG11 | WW18 | | | | | |
| | HG11 | WW46 | | | | | |
| | S1 | WW33 | | | | | |
| 18 | W1 | WC013 | | | | | |
| | | WJ007 | | | | | |
| | | WD016 | | | | | |
| | | WK047 | | | | | |
| | | WK028 | | | | | |
| | | WD048 | | | | | |
| | | WJ069 | | | | | |
| | | WM025 | | | | | |
| | | WK056 | | | | | |
| | | WW71 | | | | | |
| | | WM022 | | | | | |
| | | WW89 | | | | | |
| | | WW21 | | | | | |
| | | WW22 | | | | | |
| | | WK052 | | | | | |
| | | WC065 | | | | | |
| | | WM046 | | | | | |
| | | WM048 | | | | | |
| | | WD024 | | | | | |
| | | WJ062 | | | | | |
| | | WD035 | | | | | |
| | | WE020 | | | | | |
| | | WW140 | | | | | |
| | | WW95 | | | | | |
| | | WM028 | | | | | |
| | | WD034 | | | | | |
| | | WE052 | | | | | |
| | | WK057 | | | | | |
| | | WJ012 | | | | | |
| | | 19 | S1 | WD007 | | | |
| WJ082 | | | | | | | |
| WM038 | | | | | | | |
| WM040 | | | | | | | |
| WM039 | | | | | | | |
| WW49 | | | | | | | |
| WW36 | | | | | | | |
| WW52 | | | | | | | |
| WW10 | | | | | | | |
| WW40 | | | | | | | |
| WW59 | | | | | | | |
| WK013 | | | | | | | |
| WW20 | | | | | | | |
| WW41 | | | | | | | |
| WW34 | | | | | | | |
| WW04 | | | | | | | |
| WW61 | | | | | | | |
| WW38 | | | | | | | |
| WW43 | | | | | | | |
| WM037 | | | | | | | |
| WW19 | | | | | | | |
| WW01 | | | | | | | |
| WW56 | | | | | | | |
| WW06 | | | | | | | |
| WW39 | | | | | | | |
| WW03 | | | | | | | |
| WW05 | | | | | | | |
| WW11 | | | | | | | |
| WW09 | | | | | | | |
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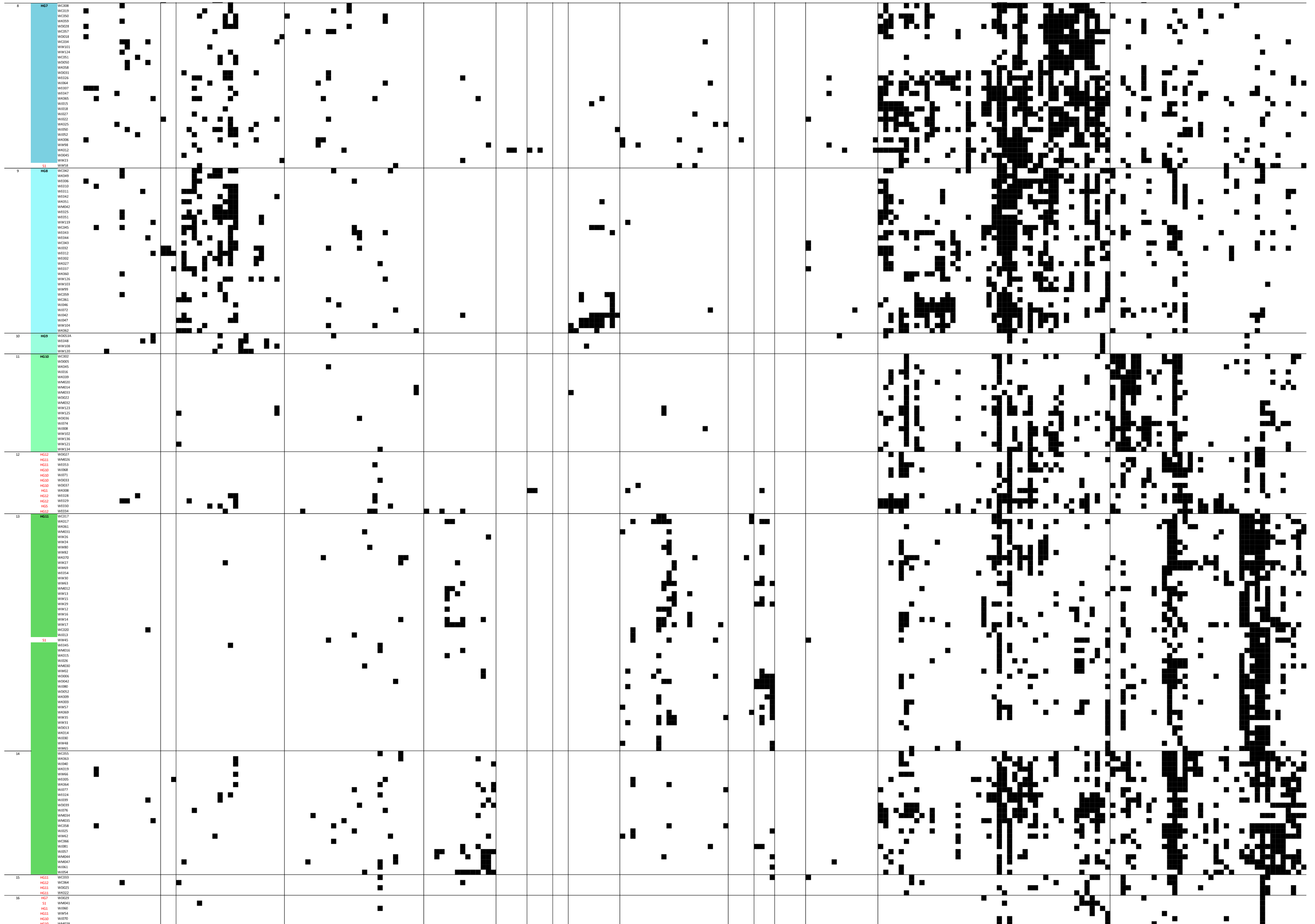
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| 20 | HG12 | WC005 | | | | | |
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| | | WW92 | | | | | |
| | | WD009 | | | | | |
| | | WD020 | | | | | |
| | | WM019 | | | | | |
| | | WC015 | | | | | |
| | | WJ011 | | | | | |
| | | WC039 | | | | | |
| | | WD002 | | | | | |
| | | WD046 | | | | | |
| | | WK037 | | | | | |
| | | WW37 | | | | | |
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| | WW85 | | | | | | |
| | WW90 | | | | | | |
| | WW86 | | | | | | |
| | WC052 | | | | | | |
| | WE032 | | | | | | |
| | WJ053 | | | | | | |
| | WM027 | | | | | | |
| | WJ043 | | | | | | |
| | WM023 | | | | | | |
| | HG11 | WC012 | | | | | |
| | | WD054 | | | | | |
| | HG11 | WD055 | | | | | |
| | | WW64 | | | | | |
| | | WK016 | | | | | |
| | | WK018 | | | | | |
| | | WC049 | | | | | |
| | | WW83 | | | | | |
| | | WJ041 | | | | | |
| WW70 | | | | | | | |
| WW73 | | | | | | | |
| WW74 | | | | | | | |
| WD032 | | | | | | | |
| WJ067 | | | | | | | |
| WD026 | | | | | | | |
| WJ044 | | | | | | | |
| WW72 | | | | | | | |
| WJ045 | | | | | | | |
| WM043 | | | | | | | |
| WW77 | | | | | | | |
| WW81 | | | | | | | |
| WW60 | | | | | | | |
| WW78 | | | | | | | |
| 21 | | W2 | WC003 | | | | |
| | | | WM005 | | | | |
| | | | WD011 | | | | |
| | | | WD044 | | | | |
| | | | WD047 | | | | |
| | | | WC028 | | | | |
| | WC030 | | | | | | |
| | WD041 | | | | | | |
| | WJ035 | | | | | | |
| | WJ079 | | | | | | |
| | WE036 | | | | | | |
| | WW115 | | | | | | |
| | WW122 | | | | | | |
| | WM003 | | | | | | |
| | WM008 | | | | | | |
| | WC053 | | | | | | |
| | WW79 | | | | | | |
| | WW75 | | | | | | |
| | WD038 | | | | | | |
| | WJ075 | | | | | | |
| | WE003 | | | | | | |
| | WJ065 | | | | | | |
| | WJ058 | | | | | | |
| | WJ078 | | | | | | |
| | WM011 | | | | | | |
| | WW68 | | | | | | |
| | WD021 | | | | | | |
| | WJ073 | | | | | | |
| | WK040 | | | | | | |
| | WK046 | | | | | | |
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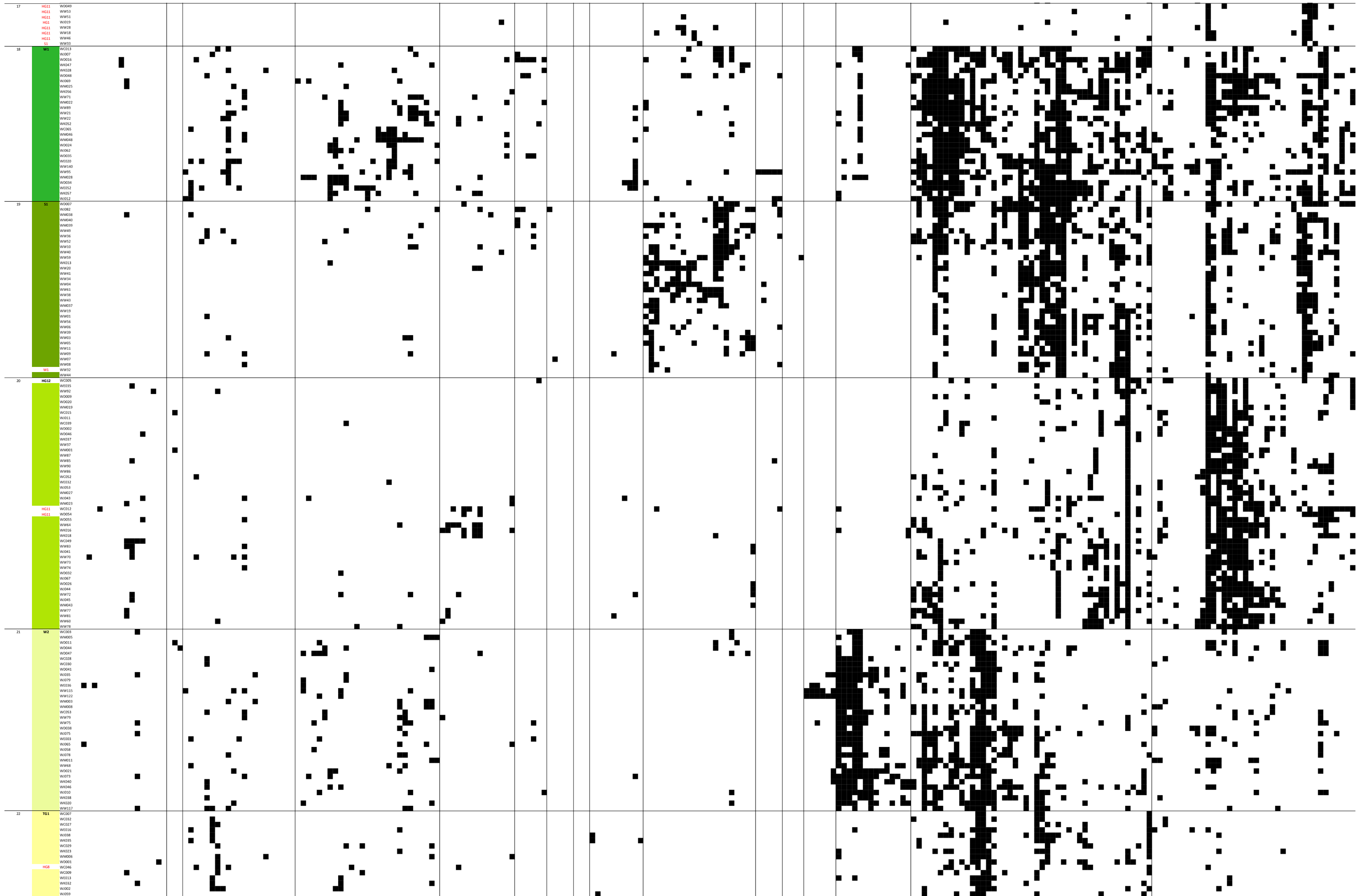
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| 22 | TG1 | WC007 | | | | | | |
| | | WC032 | | | | | | |
| | | WC027 | | | | | | |
| | | WE016 | | | | | | |
| | | WJ038 | | | | | | |
| | | WK035 | | | | | | |
| | | WC029 | | | | | | |
| | | WK023 | | | | | | |
| | | WM006 | | | | | | |
| | | WD001 | | | | | | |
| | HG8 | WC046 | | | | | | |
| | | WC009 | | | | | | |
| | | WE013 | | | | | | |
| | | WK032 | | | | | | |
| | | WJ002 | | | | | | |
| | WJ059 | | | | | | | |
| 23 | S2 | WC010 | | | | | | |
| | | WD012 | | | | | | |
| | | WD003 | | | | | | |
| | | WJ023 | | | | | | |
| | | WK071 | | | | | | |
| | | WC026 | | | | | | |
| | | WC036 | | | | | | |
| | | WW110 | | | | | | |
| | | WJ009 | | | | | | |
| | | WK041 | | | | | | |
| | | WJ037 | | | | | | |
| | | WM013 | | | | | | |



APPENDIX L

**Taxon Group Matrix of Quadrats Assessed in
the Study Area by the 2020 and 2021 Surveys**





| Species Analysis Code | Taxon |
|-----------------------|--|
| ABUAMP | <i>Abutilon amplum</i> |
| ABUCUN | <i>Abutilon cunninghamii</i> |
| ABUFRAFR | <i>Abutilon fraseri</i> subsp. <i>fraseri</i> |
| ABUHAN | <i>Abutilon</i> aff. <i>hannii</i> (potentially undescribed) |
| ABULEP1 | <i>Abutilon lepidum</i> |
| ABUOTO | <i>Abutilon otocarpum</i> |
| ABUSP. | <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) |
| ABUSP.5 | <i>Abutilon</i> sp. <i>Pilbara</i> (W.R. Barker 2025) |
| ABUSP.6 | <i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) |
| ACAACR | <i>Acacia acradenia</i> |
| ACAADOAD | <i>Acacia adoxa</i> var. <i>adoxo</i> |
| ACAADS | <i>Acacia adsurgens</i> |
| ACAAMP | <i>Acacia ampliceps</i> |
| ACAANC | <i>Acacia ancistrocarpa</i> |
| ACAARI | <i>Acacia arida</i> |
| ACABIV | <i>Acacia bivenosa</i> |
| ACACOLCO | <i>Acacia colei</i> var. <i>colei</i> |
| ACACORPE | <i>Acacia coriacea</i> subsp. <i>pendens</i> |
| ACAERI | <i>Acacia eriopoda</i> |
| ACAHIL | <i>Acacia hilliana</i> |
| ACAINA | <i>Acacia inaequilatera</i> |
| ACAMAI | <i>Acacia maitlandii</i> |
| ACAMON | <i>Acacia monticola</i> |
| ACAPRU | <i>Acacia pruinocarpa</i> |
| ACAPTY | <i>Acacia ptychophylla</i> |
| ACAPYR | <i>Acacia pyrifolia</i> var. <i>morrisonii</i> / <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> |
| ACAROB | <i>Acacia robeorum</i> |
| ACASCLSC | <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> |
| ACASYN | <i>Acacia synchronicia</i> |
| ACATRA | <i>Acacia trachycarpa</i> |
| ACATUMPI | <i>Acacia tumida</i> var. <i>pilbarensis</i> |
| ACHASP | <i>Achyranthes aspera</i> |
| AFRAUR | <i>Afrohybanthus aurantiacus</i> |
| AMP SER1 | <i>Amphipogon sericeus</i> |
| AMYPRE | <i>Amyema preissii</i> |
| AMYSANSA | <i>Amyema sanguinea</i> var. <i>sanguinea</i> |
| ANTLEP | <i>Anthobolus leptomerioides</i> |
| ARIHOLHO | <i>Aristida holathera</i> var. <i>holathera</i> |
| ARIINA | <i>Aristida inaequiglumis</i> |
| ARIPRU | <i>Aristida pruinosa</i> |

| Species Analysis Code | Taxon |
|-----------------------|--|
| ATAHEM | <i>Atalaya hemiglauca</i> |
| BONALA | <i>Bonamia alatisemina</i> |
| BONERE | <i>Bonamia erecta</i> |
| BONLIN | <i>Bonamia ?linearis</i> |
| BONMED | <i>Bonamia media</i> |
| BONPAN | <i>Bonamia pannosa</i> |
| BONPIL | <i>Bonamia pilbarensis</i> |
| BOTEWA | <i>Bothriochloa ewartiana</i> |
| CAJCIN | <i>Cajanus cinereus</i> |
| CALCAR | <i>Calytrix carinata</i> |
| CAPSPINU | <i>Capparis spinosa</i> subsp. <i>nummularia</i> |
| CARLAN | <i>Carissa lanceolata</i> |
| CASCAP | <i>Cassytha capillaris</i> |
| CHRFAL | <i>Chrysopogon fallax</i> |
| CLEFLO1 | <i>Clerodendrum floribundum</i> |
| CLETOM | <i>Clerodendrum tomentosum</i> |
| CORCANDI | <i>Corymbia candida</i> subsp. <i>dipsodes</i> |
| CORHAM1 | <i>Corymbia hamersleyana</i> |
| CORINC | <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) |
| CORLAN | <i>Corchorus laniflorus</i> |
| CORLASLA | <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> |
| CORSIDSI | <i>Corchorus sidoides</i> subsp. <i>sidoides</i> |
| CROCUN | <i>Crotalaria cunninghamii</i> |
| CRORAM1 | <i>Crotalaria ramosissima</i> |
| CUCVAR | <i>Cucumis variabilis</i> |
| CULLAC | <i>Cullen lachnostachys</i> |
| CULLEU | <i>Cullen leucanthum</i> |
| CULPOG | <i>Cullen pogonocarpum</i> |
| CULSTI | <i>Cullen stipulaceum</i> |
| CYMAMB | <i>Cymbopogon ambiguus</i> |
| CYNFLO | <i>Cynanchum floribundum</i> |
| CYVIMAU | <i>Cynanchum viminale</i> subsp. <i>australe</i> |
| CYPCUNCU | <i>Cyperus cunninghamii</i> subsp. <i>cunninghamii</i> |
| CYPHES | <i>Cyperus hesperius</i> |
| CYPVAG | <i>Cyperus vaginatus</i> |
| DAMCAN | <i>Dampiera candidans</i> |
| DICCOR | <i>Dicrastylis cordifolia</i> |
| DICFOR | <i>Dicladantha forrestii</i> |
| DICSPI | <i>Dichrostachys spicata</i> |
| DIGBRO | <i>Digitaria brownii</i> |

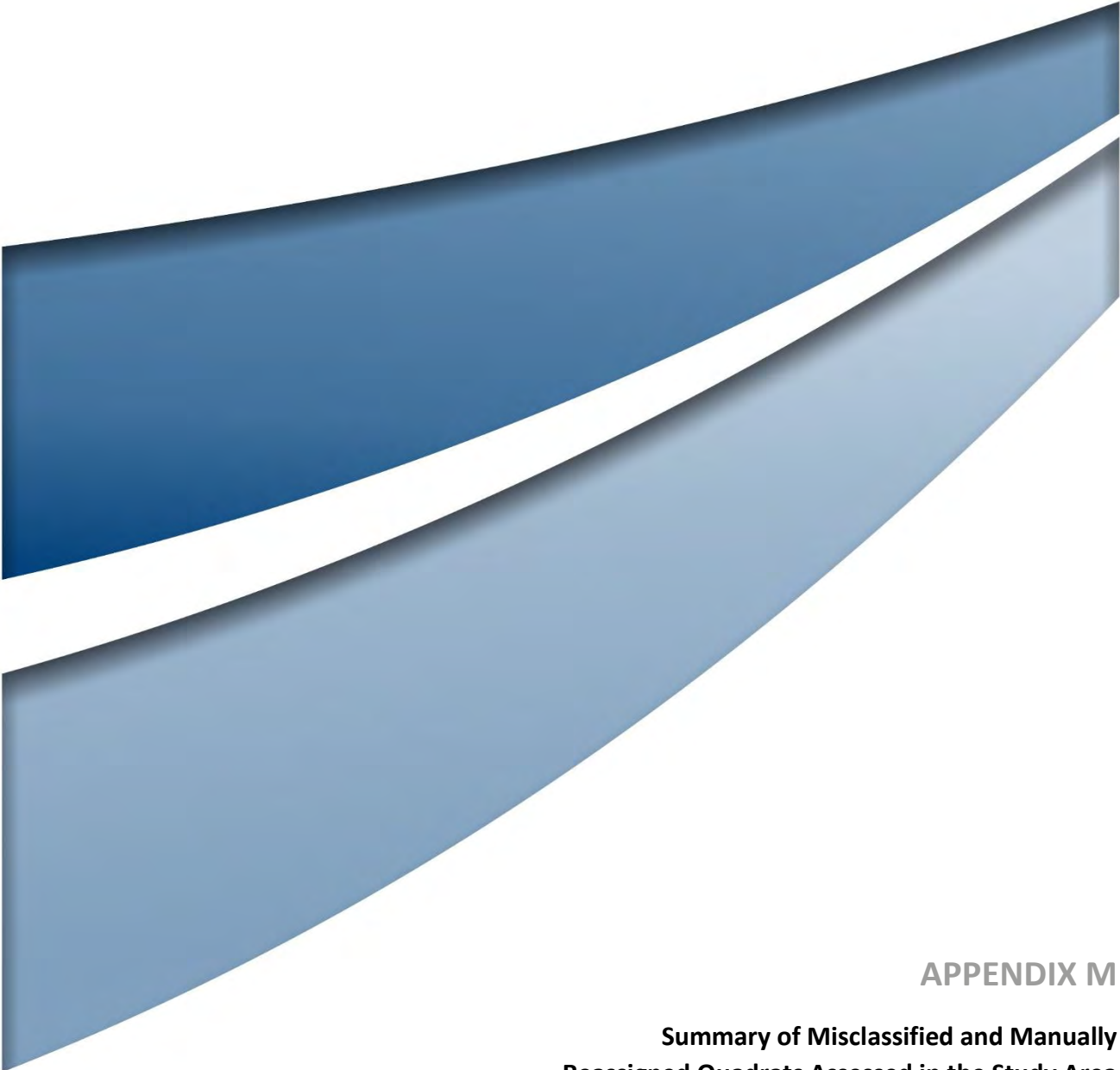
| Species Analysis Code | Taxon |
|-----------------------|--|
| DIPFUSFU | <i>Diplachne fusca</i> subsp. <i>fusca</i> |
| DODCOR | <i>Dodonaea coriacea</i> |
| DUPCOM | <i>Duperreya commixta</i> |
| EHRSA | <i>Ehretia saligna</i> var. <i>saligna</i> |
| ENCTOMTO | <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> |
| ENNLIN | <i>Enneapogon lindleyanus</i> |
| ERADES | <i>Eragrostis desertorum</i> |
| ERAERI | <i>Eragrostis eriopoda</i> |
| ERAOLI | <i>Eragrostis olida</i> |
| ERAXER | <i>Eragrostis xerophila</i> |
| EREEXI | <i>Eremophila exilifolia</i> |
| EREFORFO | <i>Eremophila forrestii</i> subsp. <i>forrestii</i> |
| ERELATFI | <i>Eremophila latrobei</i> subsp. <i>filiformis</i> |
| ERELATLA | <i>Eremophila latrobei</i> subsp. <i>latrobei</i> |
| ERELON | <i>Eremophila longifolia</i> |
| ERESPI | <i>Eremophea spinosa</i> |
| ERESP. | <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2) |
| ERIBEN | <i>Eriachne benthamii</i> |
| ERILAN | <i>Eriachne lanata</i> |
| ERIMUC | <i>Eriachne mucronata</i> |
| ERIOBT | <i>Eriachne obtusa</i> |
| ERITEN | <i>Eriachne tenuiculmis</i> |
| EUCAMRE | <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> |
| EUCLEULE | <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> |
| EUCODO | <i>Eucalyptus odontocarpa</i> |
| EUCVIC | <i>Eucalyptus victrix</i> |
| EULAU | <i>Eulalia aurea</i> |
| EUPCAR | <i>Euphorbia careyi</i> |
| EVOALS | <i>Evolvulus alsinoides</i> var. <i>decumbens</i> / <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> |
| FICBRA | <i>Ficus brachypoda</i> |
| FIMDIC | <i>Fimbristylis dichotoma</i> |
| FLUVIRME | <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> |
| GOMPOL | <i>Gompholobium polyzygum</i> |
| GOOCUS | <i>Goodenia cusackiana</i> |
| GOOMIC | <i>Goodenia microptera</i> |
| GOOMUE | <i>Goodenia muelleriana</i> |
| GOOPED | <i>Goodenia pedicellata</i> (P1) |
| GOOSTO | <i>Goodenia stobbsiana</i> |
| GOOTRI1 | <i>Goodenia triodiophila</i> |
| GOSAUS | <i>Gossypium australe</i> |

| Species Analysis Code | Taxon |
|-----------------------|---|
| GOSROB | <i>Gossypium robinsonii</i> |
| GREBER | <i>Grevillea berryana</i> |
| GREPYRLE | <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> |
| GREWICHI | <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> |
| HAKLORLO | <i>Hakea lorea</i> subsp. <i>lorea</i> |
| HELARG | <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) |
| HELCHR | <i>Heliotropium chrysocarpum</i> |
| HELCKE | <i>Heliotropium skeleton</i> |
| HIBBRA | <i>Hibiscus brachychlaenus</i> |
| HIBCOA | <i>Hibiscus coatesii</i> |
| HIBLEP | <i>Hibiscus leptocladus</i> |
| HIBSTU | <i>Hibiscus sturtii</i> / <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> / <i>Hibiscus sturtii</i> var. <i>platychlamys</i> |
| INDLIN1 | <i>Indigofera linnaei</i> |
| INDMON | <i>Indigofera monophylla</i> |
| INDTRITR | <i>Indigofera trita</i> subsp. <i>trita</i> |
| IPOMUE | <i>Ipomoea muelleri</i> |
| ISOATR | <i>Isotropis atropurpurea</i> |
| LAWDEN | <i>Lawrenca densiflora</i> |
| LEPAME | <i>Lepidium amelum</i> (P1) |
| LOBARN | <i>Lobelia arnhemiaca</i> |
| MAIMEL | <i>Maireana melanocoma</i> |
| MAIVIL | <i>Maireana ?villosa</i> |
| MARHIR | <i>Marsilea hirsuta</i> |
| MELGLO | <i>Melaleuca glomerata</i> |
| MELOBL | <i>Melhania oblongifolia</i> |
| MIRVIM | <i>Mirbelia viminalis</i> |
| PARMUE | <i>Paraneurachne muelleri</i> |
| PASTAB | <i>Paspalidium tabulatum</i> |
| PENTRITR | <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> |
| PETLAB | <i>Petalostylis labicheoides</i> |
| PHYERW | <i>Phyllanthus erwinii</i> |
| PHYMAD | <i>Phyllanthus maderaspatensis</i> |
| PLUDEN | <i>Pluchea dentex</i> |
| PLUFER | <i>Pluchea ferdinandi-muelleri</i> |
| PLURUB | <i>Pluchea rubelliflora</i> |
| PLUTET | <i>Pluchea tetranthera</i> |
| POLMOL | <i>Polymeria mollis</i> |
| PTESERVE | <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> |
| PTESPH | <i>Pterocaulon sphacelatum</i> |
| PTESPH1 | <i>Pterocaulon sphaeranthoides</i> |

| Species Analysis Code | Taxon |
|-----------------------|--|
| PTIAST | <i>Ptilotus astrolasius</i> |
| PTICAL1 | <i>Ptilotus calostachyus</i> |
| PTIEXA1 | <i>Ptilotus exaltatus</i> |
| PTIINC | <i>Ptilotus incanus</i> |
| PTIOBO | <i>Ptilotus obovatus</i> |
| RHAERE | <i>Rhagodia eremaea</i> |
| RHYMIN | <i>Rhynchosia minima</i> |
| SANLAN | <i>Santalum lanceolatum</i> |
| SCAAMBCE | <i>Scaevola amblyanthera</i> var. <i>centralis</i> |
| SCABROBR | <i>Scaevola browniana</i> subsp. <i>browniana</i> |
| SCAPARPI | <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> |
| SCASPI | <i>Scaevola spinescens</i> |
| SCHSUB | <i>Schoenoplectus subulatus</i> |
| SCLBICBI | <i>Sclerolaena bicornis</i> var. <i>bicornis</i> |
| SCLCOR | <i>Sclerolaena cornishiana</i> |
| SCLCOS | <i>Sclerolaena costata</i> |
| SCLDEN | <i>Sclerolaena densiflora</i> |
| SCLLAN | <i>Sclerolaena lanicuspis</i> |
| SENARTHE | <i>Senna artemisioides</i> subsp. <i>helmsii</i> |
| SENARTOL | <i>Senna artemisioides</i> subsp. <i>oligophylla</i> |
| SENGLUGL | <i>Senna glutinosa</i> subsp. <i>glutinosa</i> |
| SENGLUPR | <i>Senna glutinosa</i> subsp. <i>pruinosa</i> |
| SENNOT | <i>Senna notabilis</i> |
| SENSER | <i>Senna sericea</i> |
| SENSYM | <i>Senna symonii</i> |
| SENVEN | <i>Senna venusta</i> |
| SERNEP | <i>Seringia nephrosperma</i> |
| SIDARE | <i>Sida arenicola</i> |
| SIDCAR | <i>Sida cardiophylla</i> |
| SIDCLE | <i>Sida clementii</i> |
| SIDECH | <i>Sida echinocarpa</i> |
| SIDFIB | <i>Sida fibulifera</i> |
| SIDROHRO | <i>Sida rohlenae</i> subsp. <i>rohlenae</i> |
| SIDSP.1 | <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) |
| SIDSP.2 | <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) |
| SIDSP.3 | <i>Sida</i> sp. Excedentifolia (J.L. Egan 1925) |
| SIDSP.4 | <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) |
| SIDSP.5 | <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) |
| SIDSP.6 | <i>Sida</i> sp. L (A.M. Ashby 4202) |
| SOLDIV | <i>Solanum diversiflorum</i> |

| Species Analysis Code | Taxon |
|-----------------------|---|
| SOLGAB | <i>Solanum gabriellae</i> |
| SOLHOR | <i>Solanum horridum</i> |
| SOLLAS | <i>Solanum lasiophyllum</i> |
| SOLPHL | <i>Solanum phlomoides</i> |
| SPOACT | <i>Sporobolus actinocladus</i> |
| STEGRO | <i>Stemodia grossa</i> |
| STEVIS | <i>Stemodia viscosa</i> |
| STRBUB | <i>Streptoglossa bubakii</i> |
| STRDEC | <i>Streptoglossa decurrens</i> |
| STRMAC | <i>Streptoglossa macrocephala</i> |
| STYSPA | <i>Stylobasium spathulatum</i> |
| TEPDEN | <i>Tephrosia densa</i> |
| TEPROS | <i>Tephrosia rosea</i> var. <i>clementii</i> / <i>Tephrosia rosea</i> var. <i>rosea</i> |
| TEPSP. | <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) |
| TEPSP.1 | <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) |
| TEPSP.2 | <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) |
| TEPSUP | <i>Tephrosia supina</i> |
| THETRI | <i>Themeda triandra</i> |
| TINSMI | <i>Tinospora smilacina</i> |
| TRIANG | <i>Triodia angusta</i> |
| TRIBAS | <i>Triodia basedowii</i> |
| TRIBRI | <i>Triodia brizoides</i> |
| TRICHA | <i>Triumfetta chaetocarpa</i> |
| TRICLE | <i>Triumfetta clementii</i> |
| TRIEPA | <i>Triodia epactia</i> |
| TRIHIR | <i>Tribulus hirsutus</i> |
| TRIJOH | <i>Triumfetta johnstonii</i> |
| TRILOL | <i>Tripogonella loliiformis</i> |
| TRILON | <i>Triodia longiceps</i> |
| TRIMAC3 | <i>Triumfetta maconochieana</i> |
| TRIMIN | <i>Tribulus minutus</i> (P1) |
| TRIMOL1 | <i>Trigastrotheca molluginea</i> |
| TRIOCC | <i>Tribulus occidentalis</i> |
| TRIPLA | <i>Tribulus platypterus</i> |
| TRIPRO | <i>Triumfetta propinqua</i> |
| TRISCI | <i>Triodia scintillans</i> |
| TRISP.1 | <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) |
| TRISUB | <i>Tribulus suberosus</i> |
| TRIWIS | <i>Triodia wiseana</i> |
| TYPDOM | <i>Typha domingensis</i> |

| Species Analysis Code | Taxon |
|-----------------------|--|
| VIGLANLA | <i>Vigna lanceolata</i> var. <i>lanceolata</i> |
| WALIND | <i>Waltheria indica</i> |
| WALVIR | <i>Waltheria virgata</i> |
| WK070-02 | <i>Solanum</i> sp. |



APPENDIX M

**Summary of Misclassified and Manually
Reassigned Quadrats Assessed in the Study Area
by the 2020 and 2021 Surveys**

| Quadrat | Original Group | Reassigned VT | Reasoning |
|---------|----------------|---------------|--|
| WC054 | 1 | HG12 | Quadrat is recently burnt and located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Acacia arida</i> , <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) and <i>Triumfetta propinqua</i> . |
| WE055 | 1 | HG2 | Quadrat is located within transitional vegetation. Allocated to VT HG2 based on the presence of calcrete outcropping and taxa including <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Tribulus minutus</i> (P1). |
| WE018 | 1 | HG12 | Quadrat is located within transitional vegetation. Allocated to VT HG12 based on the presence of taxa including <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WE033 | 1 | HG12 | Quadrat is located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WC062 | 1 | HG12 | Quadrat is located within a small vegetation pattern and is transitional. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) and <i>Waltheria virgata</i> . |
| WE056 | 1 | HG2 | Quadrat is comparatively species poor and is located within transitional vegetation. Allocated to VT HG2 based on the presence of calcrete outcropping and taxa including <i>Goodenia pedicellata</i> (P1). |
| WM024 | 2 | HG12 | Quadrat is located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WJ056 | 2 | HG12 | Quadrat is species poor and is located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WD014 | 2 | HG12 | Quadrat is comparatively species poor and is located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite and taxa including <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WJ063 | 2 | HG5 | Quadrat is located within transitional vegetation. Allocated to VT HG5 based on the presence of dolomite and taxa including <i>Sporobolus australasicus</i> and <i>Triodia epactia</i> . |
| WD030 | 3 | HG12 | Quadrat is comparatively species poor and is located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Acacia arida</i> , <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WJ066 | 3 | HG5 | Quadrat is located within transitional vegetation. Allocated to VT HG5 based on topography and absence of <i>Eragrostis xerophila</i> . |
| WW67 | 3 | HG5 | Quadrat is located within transitional vegetation. Allocated to VT HG5 based on the presence of taxa including <i>Senna artemisioides</i> subsp. <i>helmsii</i> . |

| Quadrat | Original Group | Reassigned VT | Reasoning |
|---------|----------------|---------------|---|
| WE008 | 4 | HG4 | Quadrat is located within transitional vegetation and is in Poor condition due to cattle activity and the presence of weeds. Allocated to VT HG4 based on the presence of taxa including <i>Acacia synchronicia</i> , <i>Sida fibulifera</i> , <i>Sporobolus australasicus</i> and <i>Trianthema triquetrum</i> . |
| WW58 | 8 | S1 | Quadrat is not located within a drainage feature that is typical of the majority of other quadrats classified into group 8 (i.e. VT HG7). Allocated to VT S1 based on the presence of taxa including <i>Acacia arida</i> , <i>Bonamia erecta</i> and <i>Eucalyptus odontocarpa</i> . |
| WD027 | 12 | HG12 | Quadrat is located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Acacia arida</i> and <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed). |
| WM026 | 12 | HG11 | Quadrat is located within transitional vegetation. Allocated to VT HG11 based on the presence of dolerite outcropping and taxa including <i>Acacia arida</i> , <i>Fimbristylis dichotoma</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Triodia scintillans</i> . |
| WE053 | 12 | HG11 | Quadrat is located within transitional vegetation. Allocated to VT HG11 based on the presence of chert outcropping and taxa including <i>Acacia inaequilatera</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Triodia scintillans</i> . |
| WJ068 | 12 | HG10 | Quadrat is located within transitional vegetation. Allocated to VT HG10 based on the presence of dolerite and taxa including <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Triodia epactia</i> . |
| WJ071 | 12 | HG10 | Quadrat is located within transitional vegetation. Allocated to VT HG10 based on the presence of dolerite outcropping and taxa including <i>Acacia inaequilatera</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Triodia epactia</i> . |
| WD033 | 12 | HG10 | Quadrat is located within transitional vegetation. Allocated to VT HG10 based on the presence of dolerite and taxa including <i>Acacia inaequilatera</i> , <i>Triodia epactia</i> and <i>Triodia scintillans</i> . |
| WD037 | 12 | HG10 | Quadrat is located within transitional vegetation. Allocated to VT HG10 based on the presence of dolerite outcropping and taxa including <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618), <i>Acacia inaequilatera</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triodia epactia</i> and <i>Triodia scintillans</i> . |
| WK008 | 12 | HG1 | Quadrat is located within a variant of VT HG1. Allocated to VT HG1 based on the presence of calcrete and dolerite outcropping and taxa including <i>Acacia pruinoarpa</i> and <i>Anthobolus leptomerioides</i> . |
| WE028 | 12 | HG12 | Quadrat is located within transitional vegetation, and parts of quadrat have been relatively recently burnt (~5 years ago). Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Acacia arida</i> , <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WE029 | 12 | HG12 | Quadrat is located within transitional vegetation, and parts of quadrat have been relatively recently burnt (~5 years ago). Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Acacia arida</i> , <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Triodia wiseana</i> . |

| Quadrat | Original Group | Reassigned VT | Reasoning |
|---------|----------------|---------------|---|
| WE030 | 12 | HG5 | Quadrat is located within transitional vegetation. Allocated to VT HG5 based on the presence of taxa including <i>Acacia synchronicia</i> , <i>Sporobolus australasicus</i> and <i>Triodia epactia</i> . |
| WE034 | 12 | HG12 | Quadrat is located in a flow line/valley between two hills. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) and <i>Triodia wiseana</i> . |
| WW45 | 13 | S1 | Quadrat is located within transitional vegetation. Allocated to VT S1 based on the presence of taxa including <i>Acacia arida</i> , <i>Acacia bivenosa</i> , <i>Dodonaea coriacea</i> and <i>Triodia wiseana</i> . |
| WC033 | 15 | HG11 | Quadrat is located within transitional vegetation. Allocated to VT HG11 based on the presence of chert outcropping and taxa including <i>Acacia inaequilatera</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Ptilotus calostachyus</i> , and <i>Triodia scintillans</i> . |
| WC064 | 15 | HG12 | Quadrat is located within transitional vegetation. Allocated to VT HG12 based on the presence of dolomite outcropping and taxa including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , and <i>Triodia wiseana</i> . |
| WD025 | 15 | HG11 | Quadrat is located within transitional vegetation and is comparatively species poor. Allocated to VT HG11 based on the presence of taxa including <i>Acacia inaequilatera</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Triodia scintillans</i> . |
| WK022 | 15 | HG11 | Quadrat is located within transitional vegetation and is comparatively species poor. Allocated to VT HG11 based on the presence of chert outcropping and taxa including <i>Acacia inaequilatera</i> and <i>Triodia scintillans</i> . |
| WD029 | 16 | HG7 | Quadrat is species poor and has been relatively recently burnt (~4-5 years ago). Allocated to VT HG7 based on its occurrence on a colluvial flat and the presence of taxa including <i>Acacia ancistrocarpa</i> and <i>Acacia robeorum</i> . |
| WM041 | 16 | S1 | Quadrat is located within transitional vegetation and is comparatively species poor. Allocated to VT S1 based on the presence of taxa including <i>Triodia scintillans</i> and <i>Triodia wiseana</i> . |
| WJ060 | 16 | HG1 | Quadrat is located within transitional vegetation and is species poor. Allocated to VT HG1 based on the presence of taxa including <i>Acacia bivenosa</i> , <i>Acacia robeorum</i> , <i>Triodia longiceps</i> and <i>Triodia scintillans</i> . |
| WW54 | 16 | HG11 | Quadrat is located within transitional vegetation and is species poor. Allocated to VT HG11 based on the presence of taxa including <i>Acacia arida</i> and <i>Triodia scintillans</i> . |
| WJ070 | 16 | HG10 | Quadrat is located within transitional vegetation and is comparatively species poor. Allocated to VT HG10 based on the presence of dolerite and chert and taxa including <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triodia epactia</i> and <i>Triodia scintillans</i> . |
| WM029 | 16 | HG10 | Quadrat is relatively species poor and exhibited plant senescence. Allocated to VT HG10 based on the presence of dolerite and chert outcropping and taxa including <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triodia epactia</i> and <i>Triodia scintillans</i> . |

| Quadrat | Original Group | Reassigned VT | Reasoning |
|---------|----------------|---------------|---|
| WD049 | 17 | HG11 | Quadrat is located within transitional vegetation and is comparatively species poor. Allocated to VT HG11 based on the presence of chert outcropping and taxa including <i>Acacia arida</i> , <i>Acacia inaequilatera</i> and <i>Triodia scintillans</i> . |
| WW53 | 17 | HG11 | Quadrat is located within transitional vegetation and is species poor. Allocated to VT HG11 based on the presence of taxa including <i>Acacia arida</i> and <i>Triodia scintillans</i> . |
| WW51 | 17 | HG11 | Quadrat is located within transitional vegetation and is species poor. Allocated to VT HG11 based on the presence of taxa including <i>Acacia adoxa</i> var. <i>adoxa</i> , <i>Acacia arida</i> and <i>Triodia scintillans</i> . |
| WJ019 | 17 | HG1 | Quadrat is located within transitional vegetation and is species poor. Allocated to VT HG1 based on the presence of dolerite and chert and taxa including <i>Acacia arida</i> and <i>Triodia scintillans</i> . |
| WW28 | 17 | HG11 | Quadrat is located within transitional vegetation and is relatively species poor. Allocated to VT HG11 based on the presence of taxa including <i>Acacia adoxa</i> var. <i>adoxa</i> , <i>Acacia arida</i> and <i>Triodia scintillans</i> . |
| WW18 | 17 | HG11 | Quadrat is located within transitional vegetation and is relatively species poor. Allocated to VT HG11 based on the presence of taxa including <i>Acacia adoxa</i> var. <i>adoxa</i> , <i>Acacia arida</i> , <i>Calytrix carinata</i> and <i>Triodia scintillans</i> . |
| WW46 | 17 | HG11 | Quadrat is species poor. Allocated to VT HG11 based on the presence of taxa including <i>Acacia arida</i> , <i>Calytrix carinata</i> and <i>Triodia scintillans</i> . |
| WW33 | 17 | S1 | Quadrat is very species poor. Allocated to VT S1 based on aerial imagery interpretation the presence of taxa including <i>Goodenia stobbsiana</i> and <i>Triodia basedowii</i> . |
| WW32 | 19 | W1 | Quadrat is located within transitional vegetation. Allocated to VT W1 based on its occurrence in a minor drainage feature, aerial imagery interpretation and the presence of taxa including <i>Acacia ancistrocarpa</i> , <i>Acacia bivenosa</i> , <i>Paraneurachne muelleri</i> and <i>Triodia wiseana</i> . |
| WC012 | 20 | HG11 | Quadrat is located within transitional vegetation and is recently burnt (< 3 years ago). Allocated to VT HG11 based on the presence of taxa including <i>Acacia arida</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Dampiera candicans</i> , <i>Triumfetta maconochieana</i> and <i>Triodia scintillans</i> . |
| WD054 | 20 | HG11 | Quadrat is located within transitional vegetation and is relatively recently burnt (~5 years ago). Allocated to VT HG11 based on the presence of chert outcropping and taxa including <i>Ptilotus calostachyus</i> , <i>Tribulus suberosus</i> , <i>Triodia scintillans</i> and <i>Triodia wiseana</i> . |
| WC046 | 22 | HG8 | Quadrat is located within transitional vegetation and is in Degraded condition. Allocated to VT HG8 based on the presence of taxa including <i>Acacia trachycarpa</i> , <i>Senna notabilis</i> and <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666). |



APPENDIX N

**Vegetation Mapping Observations Recorded
by the 2020 and 2021 Surveys**

Note: all locations in GDA94, Zone 51.

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 9/06/2020 | 170 | 314327 | 7595963 | Veg is very consistent, same as WW05 |
| 9/06/2020 | 174 | 314888 | 7596047 | Veg = WW11 (with <i>Acacia tumida</i> var. <i>pilbarensis</i>) |
| 10/06/2020 | 179 | 314709 | 7597770 | Veg = WW13 but with <i>Calytrix carinata</i> and <i>Dampiera candicans</i> on the boundary of a burn scar |
| 10/06/2020 | 319 | 314495 | 7597561 | Minor flowline between low rises with <i>Acacia tumida</i> var. <i>pilbarensis</i> over <i>Afrohybanthus aurantiacus</i> and <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> over <i>Triodia epactia</i> |
| 10/06/2020 | 320 | 314388 | 7597805 | Recently burnt hilltop of next hill |
| 10/06/2020 | 321 | 314386 | 7597736 | Flowline between two low rises with <i>Corymbia hamersleyana</i> to 6 m high on edge; <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over <i>Senna symonii</i> , <i>Acacia maitlandii</i> , <i>Afrohybanthus aurantiacus</i> , <i>Solanum gabriellae</i> , <i>Cymbopogon ambiguus</i> , <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356), <i>Solanum horridum</i> , <i>Indigofera monophylla</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triodia epactia</i> and <i>Hibiscus coatesii</i> |
| 10/06/2020 | 328 | 314757 | 7596809 | Veg = WW20 but no <i>Corymbia</i> / upperstorey and no <i>Acacia ancistrocarpa</i> in mid layers |
| 10/06/2020 | 329 | 314781 | 7615744 | Major flowline/rock creek. <i>Cynodon convergens</i> , <i>Bulbostylis barbata</i> , <i>Portulaca oleracea</i> |
| 11/06/2020 | 184 | 314340 | 7615758 | Veg = WW23 (condition = Good) |
| 11/06/2020 | 185 | 314342 | 7615714 | Boundary between WW23 and calcrete (condition = Excellent) |
| 11/06/2020 | 188 | 314597 | 7615279 | Small patch of WW23 |
| 11/06/2020 | 332 | 314820 | 7615762 | Beginning of rocky outcropping within the flowline (mapped in WW22). Site both creek and rocky areas. Veg = <i>Enneapogon lindleyanus</i> , <i>Gomphrena cunninghamii</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Acacia arida</i> , <i>Cyperus hesperius</i> , <i>Arivela viscosa</i> , <i>Gossypium australe</i> , <i>Trigastrotheca molluginea</i> , <i>Eriachne tenuiculmis</i> , <i>Cymbopogon ambiguus</i> , <i>Triodia epactia</i> , * <i>Cenchrus ciliaris</i> , <i>Corchorus</i> aff. <i>incanus</i> , <i>Cajanus cinereus</i> , <i>Acacia pyrifolia</i> , <i>Senna venusta</i> , <i>Polycarpaea longiflora</i> , <i>Triodia wiseana</i> , <i>Atalaya hemiglauca</i> , <i>Cynodon convergens</i> , <i>Bulbostylis barbata</i> , <i>Portulaca oleracea</i> |
| 11/06/2020 | 333 | 314718 | 7615733 | Waterhole; doesn't appear to be permanent, no evidence of GDV |
| 11/06/2020 | 334 | 314644 | 7615752 | End of rocky section, transect started at WP 332 |
| 11/06/2020 | 338 | 314991 | 7615509 | On rocky hill to the north-east of WW26. Veg = <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618), <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Dampiera candicans</i> , <i>Triodia epactia</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Eriachne mucronata</i> |
| 12/06/2020 | 193 | 315364 | 7596867 | Veg = WW17 |
| 12/06/2020 | 197 | 314082 | 7596970 | Veg = WW31 |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 12/06/2020 | 341 | 315104 | 7596534 | Medium flowline (shallow), at the bottom of a low hill. Veg = <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Triodia epactia</i> and <i>Afrohybanthus aurantiacus</i> |
| 12/06/2020 | 343 | 314911 | 7596358 | Similar to WW10 but with <i>Corymbia candida</i> subsp. <i>dipsodes</i> |
| 13/06/2020 | 203 | 315521 | 7592787 | Change from granitic community to WW45 |
| 13/06/2020 | 207 | 314650 | 7592331 | Flowline with <i>Acacia ancistrocarpa</i> and <i>Acacia coriacea</i> subsp. <i>pendens</i> over <i>Acacia arida</i> , <i>Eremophila latrobei</i> subsp. <i>latrobei</i> and <i>Indigofera monophylla</i> over <i>Aristida inaequiglumis</i> , <i>Paraneurachne muelleri</i> and <i>Triodia epactia</i> |
| 13/06/2020 | 209 | 314455 | 7592537 | Veg = WW45 |
| 13/06/2020 | 211 | 315072 | 7592817 | Small flowline with quartz outcropping. <i>Acacia ancistrocarpa</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> over <i>Acacia arida</i> over <i>Triodia epactia</i> and <i>Triodia scintillans</i> |
| 13/06/2020 | 214 | 315109 | 7593077 | Flowline with <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Acacia ancistrocarpa</i> over <i>Petalostylis labicheoides</i> over <i>Triodia epactia</i> with rocky quartz |
| 13/06/2020 | 216 | 315387 | 7593456 | Flowline with <i>Acacia acradenia</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> over <i>Triodia epactia</i> |
| 13/06/2020 | 353 | 313876 | 7592274 | Major flowline / creek. Creek bed is bare, dominated by <i>Acacia eriopoda</i> on the edges of creek. Some <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Gossypium robinsonii</i> , <i>Triodia epactia</i> , <i>Themeda triandra</i> , <i>Triumfetta johnstonii</i> and <i>Waltheria indica</i> |
| 13/06/2020 | 358 | 315457 | 7593565 | Medium flowline with <i>Acacia acradenia</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over <i>Triodia epactia</i> , <i>Senna notabilis</i> and <i>Solanum lasiophyllum</i> |
| 14/06/2020 | 219 | 315514 | 7593970 | Flowline with <i>Acacia acradenia</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> over <i>Triodia epactia</i> |
| 14/06/2020 | 220 | 315511 | 7593952 | <i>Acacia arida</i> , <i>Senna sericea</i> over <i>Triodia scintillans</i> on granite surface stones |
| 14/06/2020 | 222 | 315373 | 7593974 | Small patch of <i>Acacia robeorum</i> over <i>Triodia scintillans</i> on granite surface stones |
| 14/06/2020 | 224 | 315290 | 7593980 | Change to WW45 |
| 14/06/2020 | 225 | 315207 | 7594021 | Veg = WW59 but slightly more species poor and primarily on dolerite/calcareous stones |
| 25/06/2020 | 230 | 316062 | 7615605 | Condition = Very Good |
| 25/06/2020 | 235 | 316278 | 7615417 | Minor drainage line with <i>Atalaya hemiglauca</i> , <i>Triumfetta propinqua</i> , <i>Corchorus</i> aff. <i>incanus</i> , <i>Acacia arida</i> and <i>Tephrosia rosea</i> var. <i>clementii</i> over <i>Triodia wiseana</i> and * <i>Aerva javanica</i> (x35 plants). Condition = Very Good |
| 25/06/2020 | 236 | 316160 | 7615471 | Veg = WW37 but with more granite and <i>Tephrosia rosea</i> var. <i>clementii</i> |
| 25/06/2020 | 237 | 316021 | 7615628 | <i>Acacia arida</i> and <i>Senna glutinosa</i> subsp. <i>glutinosa</i> over <i>Triodia epactia</i> , <i>Triodia basedowii</i> and <i>Triodia scintillans</i> on granite stores and red-brown sandy clay |
| 25/06/2020 | 238 | 315950 | 7615734 | Creepline. Condition = Good (* <i>Cenchrus ciliaris</i> x2000) |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 25/06/2020 | 239 | 315524 | 7615281 | Veg is in very good condition alongside track with <i>*Aerva javanica</i> (x300) and <i>*Cenchrus ciliaris</i> (x30) present |
| 25/06/2020 | 240 | 315242 | 7615140 | Veg is in very good condition alongside track with <i>*Aerva javanica</i> (x300) and <i>*Cenchrus ciliaris</i> (x30) present |
| 25/06/2020 | 241 | 315195 | 7615101 | Veg is in very good condition alongside track with <i>*Aerva javanica</i> (x300) and <i>*Cenchrus ciliaris</i> (x30) present |
| 25/06/2020 | 243 | 315227 | 7614973 | Change to WW69 |
| 25/06/2020 | 1932 | 314212 | 7613576 | <i>Acacia arida</i> over <i>Triodia wiseana</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Waltheria virgata</i> on dolomite |
| 25/06/2020 | 1934 | 316375 | 7615639 | Change from WW62 to WP 1932 |
| 26/06/2020 | 244 | 314212 | 7613576 | Veg = WW71 but small patch with higher density of <i>*Aerva javanica</i> (x125); condition = Very Good - Excellent. The condition is Excellent elsewhere along the drainage line. Area has been recently burnt (<5 yrs) |
| 26/06/2020 | 248 | 314370 | 7613224 | <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over <i>Triodia wiseana</i> over shale |
| 26/06/2020 | 249 | 314554 | 7613270 | Similar to previous WP (248) but with more <i>Acacia bivenosa</i> than <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> on dolomite |
| 26/06/2020 | 250 | 314767 | 7613410 | Edge of river on rock = Very Good. <i>Ficus brachypoda</i> , <i>*Aerva javanica</i> (x800), <i>*Cenchrus ciliaris</i> (x500) |
| 26/06/2020 | 253 | 314870 | 7613441 | Veg = WW75 with occasional <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> |
| 26/06/2020 | 1937 | 314347 | 7612643 | Change from WW66 to calcrete / WW68 |
| 26/06/2020 | 1939 | 314920 | 7612827 | <i>Melaleuca glomerata</i> in river / drainage line |
| 27/06/2020 | 257 | 314576 | 7614423 | Minor flowline dominated by <i>*Cenchrus ciliaris</i> ; condition = Poor (with high weed cover and cattle activity). The flowline marks a vegetation boundary with WW67 to the NE and WW77 to the W |
| 27/06/2020 | 258 | 314501 | 7614419 | Condition = Very Good on lower slopes adjacent to flowline. The condition changes to Excellent further SW up the hill. <i>*Aerva javanica</i> (x45) |
| 27/06/2020 | 261 | 314215 | 7614287 | Sides of cliff facing the river; condition = Very Good. <i>*Aerva javanica</i> (x250), <i>*Cenchrus ciliaris</i> (x100) |
| 27/06/2020 | 264 | 314056 | 7614200 | Veg = WW75 but recently burnt (<5 yrs) and with <i>Acacia pyrifolia</i> var. <i>morrisonii</i> |
| 27/06/2020 | 266 | 314396 | 7613977 | Veg condition boundary - Excellent to the SW and Good to the NE, towards the drainage line |
| 27/06/2020 | 267 | 314463 | 7614030 | Drainage line with <i>Eucalyptus victrix</i> and <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> , <i>Atalaya hemiglauca</i> . No <i>Melaleuca glomerata</i> present. Condition = Good. <i>*Citrullus amarus</i> present |
| 27/06/2020 | 268 | 314536 | 7613925 | Small patch of WW79, drainage line further to the SE (consists of <i>Eucalyptus victrix</i> with little shrub understorey) |
| 27/06/2020 | 271 | 314630 | 314630 | Veg = WW81 but with fewer tall shrubs and significantly more lower shrubs e.g. <i>Corchorus</i> aff. <i>incanus</i> , also fewer <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia bivenosa</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 27/06/2020 | 272 | 314594 | 314594 | Small drainage line with high cattle activity and weeds. Condition = Good. * <i>Aerva javanica</i> (x50), * <i>Cenchrus ciliaris</i> (x3500) |
| 27/06/2020 | 274 | 314664 | 7614681 | Veg = WW67 but with less <i>Acacia synchronicia</i> |
| 27/06/2020 | 277 | 315355 | 7615426 | <i>Acacia arida</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> on metamorphised granite stones and red-brown clay loam |
| 27/06/2020 | 279 | 315812 | 7614233 | Flat, wide drainage line; heavily used by cattle. Condition = Poor |
| 27/06/2020 | 1946 | 313903 | 7615729 | Drainage line. Condition = Very Good. <i>Corymbia candida</i> subsp. <i>dipsodes</i> and <i>Corymbia hamersleyana</i> over <i>Atalaya hemiglauca</i> , <i>Acacia coriacea</i> subsp. <i>pendens</i> and <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Gossypium australe</i> , * <i>Aerva javanica</i> , <i>Cajanus pubescens</i> , * <i>Cenchrus ciliaris</i> , <i>Chrysopogon fallax</i> , <i>Triodia epactia</i> , <i>Trianthema pilosa</i> , <i>Ptilotus axillaris</i> , <i>Pluchea dentex</i> , <i>Triumfetta chaetocarpa</i> , <i>Heliotropium pachyphyllum</i> and <i>Themeda triandra</i> |
| 27/06/2020 | 1950 | 315682 | 7615197 | Change from WW86 to metamorphised granite with <i>Triodia scintillans</i> (similar to WW62) |
| 28/06/2020 | 282 | 316054 | 7614367 | Veg condition boundary (Poor to the W and Very Good to the E) |
| 28/06/2020 | 283 | 316471 | 7614320 | Small hill of metamorphised granite with <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia bivenosa</i> over <i>Triodia scintillans</i> |
| 28/06/2020 | 286 | 316740 | 7614220 | Veg = WW87. Evidence of historic disturbance and movement / dumping of rocks. <i>Euphorbia careyi</i> present, with some * <i>Aerva javanica</i> (x20). Condition = Very Good |
| 28/06/2020 | 287 | 316712 | 7614214 | Veg condition boundary (Very Good to the E and Excellent to the W) |
| 28/06/2020 | 288 | 316686 | 7614198 | Veg = <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Acacia inaequilatera</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> and <i>Corchorus</i> aff. <i>incanus</i> on metamorphised granite |
| 28/06/2020 | 291 | 316740 | 7614345 | Veg = <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over <i>Senna symonii</i> , <i>Acacia robeorum</i> and <i>Senna sericea</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> on metamorphised granite |
| 28/06/2020 | 1954 | 316848 | 7614584 | Veg = WW92 |
| 28/06/2020 | 1956 | 316621 | 7614718 | Flowline / plain with <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia acradenia</i> and <i>Acacia colei</i> var. <i>colei</i> over <i>Triodia epactia</i> and <i>Triodia longiceps</i> |
| 28/06/2020 | 1961 | 318460 | 7611795 | Veg = WW102 |
| 29/06/2020 | 299 | 313262 | 7611030 | Veg = WW101 but with a higher cover of <i>Acacia robeorum</i> and <i>Senna artemisioides</i> subsp. <i>oligophylla</i> |
| 29/06/2020 | 300 | 312978 | 7610819 | Veg = WW101 but with fewer shrubs and occasional <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia synchronicia</i> on dolomite, metamorphised granite and laterised ironstone, on a low rise |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 29/06/2020 | 306 | 313220 | 7610381 | Slightly more open version of WW105 (lower cover of * <i>Cenchrus ciliaris</i>), condition = Good |
| 29/06/2020 | 309 | 313138 | 7608775 | Veg = <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> and * <i>Cenchrus ciliaris</i> . Very high cattle activity. Condition = Poor, however, condition improves slightly to the south with increasing distance from track |
| 29/06/2020 | 310 | 312995 | 7608483 | Change from WP 309 to WW109 |
| 29/06/2020 | 312 | 312952 | 7608313 | Minor flowline with <i>Acacia ancistrocarpa</i> over <i>Triodia scintillans</i> and <i>Paraneurachne muelleri</i> |
| 29/06/2020 | 366 | 313359 | 7610184 | * <i>Calotropis procera</i> (2 m) |
| 29/06/2020 | 1972 | 313069 | 7609166 | General area of PQ51. Condition = Poor; cow tracks and droppings present. Veg = Few stands of <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> (<10 m) and occasional <i>Melaleuca glomerata</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> in amongst extensive flat with dead <i>Typha domingensis</i> and half-dead <i>Cyperus vaginatus</i> . Colonised by <i>Senna notabilis</i> , <i>Pluchea tetranthera</i> and <i>Pluchea ferdinandi-muelleri</i> over many herbaceous shrubs, <i>Corchorus tridens</i> , and <i>Sesbania ?cannabina</i> (<10 m), * <i>Aerva javanica</i> and * <i>Malvastrum americanum</i> |
| 29/06/2020 | 1973 | 313339 | 7609145 | Similar to WW112 with more frequent <i>Cyperus vaginatus</i> and <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> (few trees >12 m, abundance of young trees less than 6 m). Condition = Poor |
| 30/06/2020 | 327 | 319637 | 7609020 | Minor flowline with occasional <i>Corymbia hamersleyana</i> over species including <i>Acacia ancistrocarpa</i> , <i>Carissa lanceolata</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Gossypium australe</i> over <i>Aristida inaequiglumis</i> and occasional * <i>Cenchrus ciliaris</i> . Condition = Very Good |
| 30/06/2020 | 328 | 319328 | 7611279 | Minor flowline, condition = Excellent. <i>Acacia ancistrocarpa</i> over <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Indigofera monophylla</i> and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over dense <i>Paraneurachne muelleri</i> |
| 30/06/2020 | 329 | 319308 | 7611523 | Same as WP 328 but with <i>Aristida inaequiglumis</i> , <i>Sida rohlenae</i> subsp. <i>rohlenae</i> , <i>Afrohybanthus aurantiacus</i> and <i>Boerhavia coccinea</i> . Condition = Excellent |
| 30/06/2020 | 1980 | 314085 | 7607439 | <i>Amyema sanguinea</i> on <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> in creek / river bed |
| 30/06/2020 | 1984 | 313916 | 7608111 | * <i>Calotropis procera</i> (>2 m - adult) |
| 30/06/2020 | 1988 | 319711 | 7610404 | Same as WW134. Minor drainage line with shrubs up to 1 m. Condition = Excellent (recently burnt, <5 yrs). <i>Tephrosia rosea</i> , <i>Hibiscus coatesii</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Sida echinocarpa</i> , <i>Acacia arida</i> , <i>Hibiscus sturtii</i> , <i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) and <i>Indigofera monophylla</i> over <i>Triodia epactia</i> , <i>Arivela viscosa</i> , <i>Cymbopogon ambiguus</i> , <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> and <i>Ptilotus auriculifolius</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 20/03/2021 | 449 | 318156 | 7594150 | PQ369 = Narrow transition zone between widespread veg type to the east and quadrat WJ003. Area on lower undulating slope, calcrete (dolomite?) foothill. Veg = <i>Triodia wiseana</i> with * <i>Cenchrus ciliaris</i> , scattered <i>Acacia synchronicia</i> and <i>Acacia bivenosa</i> with the occasional <i>Senna symonii</i> and <i>Corymbia hamersleyana</i> trees, <i>Enneapogon caerulescens</i> abundant, some <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618), * <i>Aerva javanica</i> , <i>Euphorbia australis</i> var. <i>subtomentosa</i> , <i>Ptilotus ?exaltatus</i> and <i>Sclerolaena cornishiana</i> |
| 20/03/2021 | 450 | 318148 | 7594046 | Boundary between WP 449 and WJ003 |
| 20/03/2021 | 451 | 318086 | 7593959 | Boundary between WJ003 and stony plain - similar to WJ001 (<i>Acacia synchronicia</i> over <i>Triodia wiseana</i>) |
| 20/03/2021 | 452 | 318087 | 7594026 | Transition from WJ003 to WJ002, * <i>Cenchrus ciliaris</i> over <i>Trianthema cusackianum</i> |
| 20/03/2021 | 455 | 317697 | 7594168 | Minor creek, incised, sandy/gravel bed, over 1 m wide with <i>Carissa lanceolata</i> , <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> and <i>Tephrosia rosea</i> var. <i>clementii</i> |
| 20/03/2021 | 458 | 317597 | 7594179 | Same as WP 455 (with <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Gossypium robinsonii</i>). Between WP 455 and quadrat WJ002 = transitional area between a larger creek, with <i>Acacia trachycarpa</i> on the plain and <i>Acacia synchronicia</i> towards WJ003. The western side of the creek is <i>Acacia pyrifolia</i> over * <i>Cenchrus ciliaris</i> on loamy soil, seems more wet than the eastern side |
| 21/03/2021 | 469 | 318517 | 7589492 | At PQ 410. Area recently burnt (2-3yrs). Soil = red-brown sandy clay loam with surface stones; calcrete, quartz, dolerite and laterite. Species present = <i>Triodia wiseana</i> , <i>Enneapogon caerulescens</i> , <i>Corchorus laniflorus</i> , <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> , <i>Paraneurachne muelleri</i> , <i>Sporobolus australasicus</i> , <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618), <i>Senna symonii</i> , <i>Eragrostis eriopoda</i> , <i>Sida ?fibulifera</i> , <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> , <i>Hibiscus sturtii</i> var. <i>platyklamys</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> , * <i>Cenchrus ciliaris</i> , <i>Senna venusta</i> and <i>Ptilotus exaltatus</i> . Vegetation potentially similar to quadrat WM002 |
| 21/03/2021 | 456 | 317584 | 7596421 | Stony undulating plain (soil = clay loam). Condition = Good - some tracks and weeds. Veg = <i>Acacia robeorum</i> , <i>Acacia trachycarpa</i> and <i>Acacia synchronicia</i> over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> over <i>Sporobolus australasicus</i> and <i>Trianthema cusackianum</i> |
| 21/03/2021 | 460 | 317532 | 7596187 | Flat between hills: <i>Acacia synchronicia</i> = 30 % cover <i>Acacia bivenosa</i> = 2 % cover <i>Acacia robeorum</i> = 1 % cover <i>Triodia wiseana</i> = 15 % cover * <i>Cenchrus ciliaris</i> = 20 % cover <i>Sporobolus australasicus</i> and <i>Corchorus tridens</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 21/03/2021 | 460 | 317876 | 7597154 | <p>Stony plain with <i>Acacia synchronicia</i> over <i>Triodia wiseana</i>, some <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i>. Flowline with <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> over <i>Triodia wiseana</i>, *<i>Cenchrus ciliaris</i>, <i>Sporobolus actinocladus</i>.</p> <p>Overall similar to WJ003 - <i>Triodia longiceps</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>. Changes into floodplain with *<i>Cenchrus ciliaris</i>, <i>Acacia trachycarpa</i>, <i>Eucalyptus victrix</i> and <i>Atalaya hemiglauca</i>. Creekline with <i>Eucalyptus victrix</i>, <i>Acacia coriacea</i> subsp. <i>pendens</i>, <i>Cyperus vaginatus</i> and *<i>Cenchrus ciliaris</i></p> |
| 21/03/2021 | 461 | 317680 | 7597202 | <p>Flat plain, red-brown loam with <i>Hakea lorea</i> subsp. <i>lorea</i>, <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>, <i>Acacia synchronicia</i> and <i>Acacia bivenosa</i> over *<i>Cenchrus ciliaris</i> and some <i>Triodia wiseana</i></p> |
| 21/03/2021 | 462 | 317542 | 7597279 | <p>Change to small stony plain with <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i>, <i>Sclerolaena densiflora</i>, and <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> on the edge</p> |
| 21/03/2021 | 463 | 317507 | 7597278 | <p>Change to <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> without *<i>Cenchrus ciliaris</i> to the west onwards</p> |
| 21/03/2021 | 464 | 317362 | 7597379 | <p>Creek with highly stressed <i>Eucalyptus victrix</i> trees. Understory = <i>Dicladantha forrestii</i>, <i>Abutilon fraseri</i> subsp. <i>fraseri</i>, <i>Operculina aequisejala</i>, *<i>Cenchrus ciliaris</i>, <i>Triodia longiceps</i>, <i>Indigofera monophylla</i>, <i>Petalostylis labicheoides</i>, <i>Acacia tumida</i> var. <i>pilbarensis</i>, <i>Gossypium robinsonii</i>, <i>Eriachne mucronata</i> and <i>Enneapogon lindleyanus</i></p> |
| 21/03/2021 | 466 | 317087 | 7597467 | <p>North of WJ006, similar with surface calcrete, mainly <i>Senna artemisioides</i> subsp. <i>oligophylla</i> over <i>Triodia wiseana</i>.</p> <p>North of here = same as WJ006.</p> <p>South of here = a flowline component of the WJ006 veg type, with <i>Gossypium robinsonii</i> over <i>Acacia maitlandii</i> and <i>Indigofera monophylla</i>, <i>Crotalaria medicaginea</i> var. <i>neglecta</i> and *<i>Cenchrus ciliaris</i></p> |
| 22/03/2021 | 510 | 314615 | 7590917 | <p>In creekline on red sand with river stones (dolerite, granite and quartz). Some disturbance (cattle), fire history = >10 yrs, overall veg condition = Very Good.</p> <p>Species present =</p> <ul style="list-style-type: none"> <i>Acacia tumida</i> – 4 m, 15 % cover <i>Acacia arida</i> – 3 m, 5 % cover <i>Triodia epactia</i> – 1 m, 20 % cover <i>Themeda triandra</i> – 1 m, 5 % cover <i>Eriachne mucronata</i> - 0.6 m, 5 % cover <i>Paraneurachne muelleri</i> - 0.5 m, 15 % cover <i>Eulalia aurea</i> – 1 m, 2 % cover <p>Other species = <i>Waltheria indica</i>, <i>Gossypium robinsonii</i>, <i>Petalostylis labicheoides</i>, <i>Cucumis variabilis</i> and <i>Aristida pruinosa</i></p> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 22/03/2021 | 490 | 318998 | 7589157 | At PQ 440 (aspect = WNW). Drainage line heavily infested by * <i>Cenchrus ciliaris</i> , surrounding banks have recently been burnt (2-3 yrs) on red-brown sandy loam. Species present: = <i>Eucalyptus victrix</i> , <i>Atalaya hemiglauca</i> , <i>Cyperus vaginatus</i> , <i>Gossypium australe</i> , <i>Afrohybanthus aurantiacus</i> , <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> , <i>Corchorus laniflorus</i> , <i>Indigofera trita</i> subsp. <i>trita</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> , <i>Rhynchosia minima</i> , <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> , <i>Melhania oblongifolia</i> , <i>Indigofera monophylla</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Euphorbia australis</i> var. <i>subtomentosa</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Boerhavia coccinea</i> , <i>Abutilon lepidum</i> and <i>Cucumis variabilis</i> |
| 22/03/2021 | 491 | 319043 | 7589094 | Banks adjacent to WP 490. Area recently burnt (2-3 yrs) and has high * <i>Cenchrus ciliaris</i> and * <i>Aerva javanica</i> cover (infested) on light brown sandy loam soil. Species present = <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618), * <i>Aerva javanica</i> , * <i>Cenchrus ciliaris</i> , <i>Senna symonii</i> , <i>Triodia wiseana</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Enneapogon caerulescens</i> , <i>Sporobolus actinocladus</i> , <i>Gossypium australe</i> , <i>Enneapogon caerulescens</i> , <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> and <i>Acacia inaequilatera</i> |
| 22/03/2021 | 467 | 317519 | 7590815 | Bare ground, stony red clay loam (stones = chert, quartz and ironstone). Condition = Good. Fire 5-10 yrs. <i>Acacia synchronicia</i> over <i>Triodia scintillans</i> , * <i>Cenchrus ciliaris</i> , <i>Cynodon prostratus</i> and <i>Sporobolus australasicus</i> |
| 22/03/2021 | 468 | 317421 | 7590721 | Similar to WP 468. However, less bare, no * <i>Cenchrus ciliaris</i> . Veg = <i>Acacia synchronicia</i> , <i>Acacia roborum</i> and <i>Senna symonii</i> over <i>Triodia wiseana</i> . Condition = Very Good |
| 22/03/2021 | 469 | 317326 | 7590624 | Veg = <i>Acacia roborum</i> , <i>Triodia wiseana</i> , <i>Petalostylis labicheoides</i> , <i>Heliotropium aff. argyreum</i> , <i>Ptilotus clementii</i> , * <i>Aerva javanica</i> , * <i>Cenchrus ciliaris</i> and <i>Grevillea wickhamii</i> on brown limestone outcropping. Condition = Very Good |
| 22/03/2021 | 470 | 317238 | 7590398 | Same as WP 469 |
| 22/03/2021 | 474 | 317383 | 7590286 | Same as WP 467 with <i>Atalaya hemiglauca</i> in washouts |
| 22/03/2021 | 478 | 317709 | 7590740 | Minor flowline with <i>Eucalyptus victrix</i> , <i>Atalaya hemiglauca</i> and <i>Acacia inaequilatera</i> over * <i>Cenchrus ciliaris</i> (90 % cover), <i>Euphorbia australis</i> var. <i>subtomentosa</i> , <i>Cucumis variabilis</i> , <i>Indigofera linnaei</i> , <i>Euphorbia trigonosperma</i> , * <i>Aerva javanica</i> , <i>Ipomoea muelleri</i> , <i>Ipomoea polymorpha</i> and * <i>Citrullus amarus</i> |
| 22/03/2021 | 472 | 318210 | 7593640 | Creepline - same as WJ009. Change from WJ008 (E), to <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> to the west (ground less red) |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 23/03/2021 | 516 | 315073 | 7591311 | In broad drainage line/floodplain on sandy light brown loam. Overall vegetation condition = Excellent (no obvious disturbance present). Species present= <i>Acacia eriopoda</i> - 3.5 m, 25 % cover <i>Chrysopogon fallax</i> - 1.2 m, 15 % cover <i>Triodia epactia</i> - 0.9 m, 3 % cover <i>Themeda triandra</i> - 0.9 m, 10 % cover Other species = <i>Stylobasium spathulatum</i> , <i>Acacia bivenosa</i> , <i>Senna</i> spp. |
| 23/03/2021 | 517 | 315407 | 7591239 | <i>Acacia acradenia</i> over <i>Triodia scintillans</i> . Area is not large enough (between multiple small drainage lines) for a quadrat and habitat/veg is similar to previous plots |
| 23/03/2021 | 527 | 318342 | 7587365 | At PQ 443 (aspect ESE). Within infested * <i>Cenchrus ciliaris</i> drainage line and is heavily impacted by cattle. Soil = red-brown sandy clay loam with minimal stones. Species present = <i>Corymbia hamersleyana</i> , <i>Evolvulus alsinoides</i> , <i>Gossypium australe</i> , <i>Chrysopogon fallax</i> , <i>Acacia ancistrocarpa</i> , <i>Senna notabilis</i> , <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543), <i>Hibiscus sturtii</i> var. <i>platyklamys</i> , <i>Sida</i> ? <i>fibulifera</i> , <i>Sida rohlenae</i> subsp. <i>rohlenae</i> , <i>Melaleuca glomerata</i> (resprouting from burnt track), <i>Bonamia pannosa</i> , <i>Eriachne aristidea</i> , <i>Bonamia pilbarensis</i> , <i>Yakirra australiensis</i> var. <i>australiensis</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> , <i>Perotis rara</i> , <i>Aristida contorta</i> , <i>Triodia epactia</i> , <i>Solanum gabrielae</i> and <i>Cullen stipulaceum</i> |
| 23/03/2021 | 507 | 318216 | 7588091 | Rocky hilltop with 90 % dolerite surface stoniness, recently burnt (2-3 yrs) on red-brown sandy clay loam. Species present = <i>Acacia arida</i> , <i>Triodia brizoides</i> , <i>Sida</i> ? <i>echinocarpa</i> , <i>Cucumis melo</i> , <i>Indigofera monophylla</i> , <i>Corchorus laniflorus</i> , <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618), <i>Senna artemisioides</i> subsp. <i>oligophylla</i> and <i>Acacia inaequilatera</i> |
| 23/03/2021 | 490 | 314930 | 7599742 | Creepline with <i>Corymbia hamersleyana</i> , <i>Acacia coriacea</i> subsp. <i>pendens</i> , <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Gossypium robinsonii</i> and <i>Grevillea wickhamii</i> over <i>Chrysopogon fallax</i> , * <i>Cenchrus ciliaris</i> (20 % cover), <i>Themeda triandra</i> , <i>Triodia longiceps</i> , and <i>Bonamia erecta</i> . Condition = Good |
| 23/03/2021 | 491 | 315003 | 7599669 | Rocky NW facing steep slope, fire ~3 yrs. Veg = <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Ptilotus calostachyus</i> , <i>Dampiera candicans</i> , <i>Triodia scintillans</i> , <i>Goodenia stobbsiana</i> , <i>Ptilotus clementii</i> , <i>Bonamia pilbarensis</i> , <i>Fimbristylis simulans</i> , <i>Cymbopogon ambiguus</i> and <i>Senna notabilis</i> |
| 23/03/2021 | 498 | 314854 | 7599603 | Creepline with <i>Corymbia hamersleyana</i> , <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Gossypium robinsonii</i> over * <i>Cenchrus ciliaris</i> , <i>Aristida holathera</i> var. <i>holathera</i> and <i>Bonamia erecta</i> . Condition = Good |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 23/03/2021 | 499 | 314589 | 7599397 | Creepline with <i>Corymbia hamersleyana</i> , <i>Corymbia candida</i> subsp. <i>dipsodes</i> , <i>Gossypium robinsonii</i> , <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Petalostylis labicheoides</i> over <i>Chrysopogon fallax</i> . Condition = Very Good |
| 23/03/2021 | 500 | 313879 | 7599218 | Same as WP 499 |
| 23/03/2021 | 501 | 313761 | 7599147 | Burnt area. Veg = <i>Indigofera monophylla</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Stemodia grossa</i> over <i>Fimbristylis simulans</i> , <i>Ptilotus clementii</i> and <i>Triodia wiseana</i> on stony hills |
| 23/03/2021 | 502 | 313113 | 7598841 | Same vegetation as WP 501 but on an undulating plain with fine ironstone surface stones |
| 23/03/2021 | 475 | 317601 | 7593812 | Change from WJ001 (WSW) to calcareous looking stony plain (dolomite erosion?) with <i>Acacia bivenosa</i> and <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> to the NE. Floodplain with * <i>Cenchrus ciliaris</i> to the SSE |
| 23/03/2021 | 477 | 318825 | 7599234 | Change from WJ012 to WP 478 (S) |
| 23/03/2021 | 478 | 318814 | 7599204 | Recently burnt, similar to quadrat WJ013. Silcreted chert, stony hills and undulating plains, quartz. Veg = <i>Sida arenicola</i> over <i>Triodia scintillans</i> , <i>Bonamia pilbarensis</i> , <i>Goodenia stobbsiana</i> , <i>Ptilotus calostachyus</i> , <i>Fimbristylis simulans</i> and <i>Dampiera candicans</i> . Near creeklines is <i>Acacia hilliana</i> and <i>Acacia adoxa</i> var. <i>adoxa</i> |
| 23/03/2021 | 479 | 318733 | 7598924 | Next to WJ012, creepline continues, less <i>Acacia ancistrocarpa</i> over grasses, more open with low shrubs (resprouting after fire?) and <i>Triodia longiceps</i> . Other species = <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> , <i>Cullen stipulaceum</i> , <i>Triumfetta chaetocarpa</i> , <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Gomphrena cunninghamii</i> , <i>Pterocaulon sphacelatum</i> , <i>Scaevola spinescens</i> , <i>Sida arenicola</i> and <i>Hibiscus coatesii</i> |
| 23/03/2021 | 480 | 318725 | 7598745 | To the SE is recently burnt flowline with regrowth of <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Triodia wiseana</i> |
| 23/03/2021 | 481 | 317977 | 7598670 | S side of a small hill/cliff. <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) and <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) |
| 24/03/2021 | 506 | 315421 | 7599402 | Bank on flat of minor creepline with <i>Acacia bivenosa</i> over * <i>Cenchrus ciliaris</i> , * <i>Aerva javanica</i> and <i>Triodia wiseana</i> . Adjacent creepline is <i>Gossypium robinsonii</i> and <i>Petalostylis labicheoides</i> |
| 24/03/2021 | 513 | 315242 | 7599347 | Stony low hills with <i>Senna sericea</i> , <i>Acacia maitlandii</i> , <i>Indigofera monophylla</i> on slope over <i>Triodia longiceps</i> , <i>Triodia wiseana</i> , <i>Ptilotus exaltatus</i> , <i>Bonamia pilbarensis</i> and <i>Ptilotus axillaris</i> |
| 24/03/2021 | 523 | 313655 | 7599694 | Minor flowline / moderate steep slope with <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Grevillea wickhamii</i> , <i>Acacia hilliana</i> over <i>Dampiera candicans</i> , <i>Acacia adoxa</i> var. <i>adoxa</i> , <i>Goodenia stobbsiana</i> , <i>Ptilotus calostachyus</i> , <i>Triodia scintillans</i> . Condition = Very Good |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 24/03/2021 | 524 | 313734 | 7599521 | Low minor flowline with <i>Petalostylis labicheoides</i> , <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Grevillea wickhamii</i> over <i>Notoleptopus decaisnei</i> , <i>Solanum phlomoides</i> , <i>Acacia arida</i> , <i>Heliotropium</i> aff. <i>argyreum</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Hibiscus coatesii</i> , <i>Ptilotus axillaris</i> , <i>Arivela viscosa</i> , <i>Eriachne mucronata</i> , <i>Triodia epactia</i> and <i>Triodia wiseana</i> |
| 24/03/2021 | 525 | 313573 | 7599228 | Low flowline / creek with <i>Corymbia hamersleyana</i> and <i>Gossypium robinsonii</i> over <i>Chrysopogon fallax</i> and * <i>Cenchrus ciliaris</i> |
| 24/03/2021 | 448 | 317298 | 7596947 | Drainage line with <i>Acacia bivenosa</i> and <i>Acacia robeorum</i> over <i>Triodia wiseana</i> , <i>Senna symonii</i> , <i>Solanum gabriellae</i> and <i>Corymbia hamersleyana</i> |
| 24/03/2021 | 449 | 317367 | 7596826 | Stony patch with <i>Triodia scintillans</i> |
| 24/03/2021 | 450 | 317390 | 7596793 | Back to <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> |
| 24/03/2021 | 457 | 317341 | 7596551 | Rocky / sandy creek, steep cliffs to the east. Veg = <i>Corymbia hamersleyana</i> over <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Acacia bivenosa</i> , <i>Acacia pyrifolia</i> , <i>Petalostylis labicheoides</i> and <i>Grevillea wickhamii</i> , <i>Acacia ancistrocarpa</i> , <i>Acacia arida</i> and <i>Gossypium robinsonii</i> (thick shrubland) |
| 24/03/2021 | 459 | 317294 | 7596536 | <i>Acacia arida</i> and <i>Corchorus</i> aff. <i>incanus</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Gossypium robinsonii</i> over <i>Heliotropium</i> aff. <i>argyreum</i> and <i>Triodia wiseana</i> |
| 24/03/2021 | 462 | 317291 | 7596422 | Flat top of dolomite ridge, rolling hills. Dolomite cover (~1 %). Veg = <i>Petalostylis labicheoides</i> , <i>Grevillea wickhamii</i> and <i>Acacia arida</i> over <i>Waltheria virgata</i> , <i>Heliotropium</i> aff. <i>argyreum</i> and <i>Triodia wiseana</i> |
| 24/03/2021 | 495 | 317110 | 7596407 | Creek, rocky (chert, ironstone). Veg = <i>Corymbia hamersleyana</i> over <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Acacia pyrifolia</i> and <i>Acacia bivenosa</i> over <i>Indigofera monophylla</i> and <i>Tephrosia rosea</i> var. <i>clementii</i> over <i>Chrysopogon fallax</i> , <i>Triodia epactia</i> and <i>Triodia longiceps</i> |
| 24/03/2021 | 506 | 316930 | 7596756 | Similar to WJ013. <i>Triodia scintillans</i> - quite small hummocks. Scattered small shrubs of <i>Acacia maitlandii</i> , <i>Acacia arida</i> and <i>Senna symonii</i> |
| 24/03/2021 | 508 | 316899 | 7596534 | Silica cap / quartz outcrop. <i>Acacia maitlandii</i> over <i>Triodia scintillans</i> |
| 24/03/2021 | 509 | 316905 | 7596502 | Change to <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> |
| 24/03/2021 | 510 | 316902 | 7596382 | <i>Acacia maitlandii</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> and some <i>Triodia wiseana</i> |
| 24/03/2021 | 512 | 316905 | 7596178 | <i>Triodia scintillans</i> on silcreted chert |
| 24/03/2021 | 513 | 316906 | 7596122 | Descending into creekline. <i>Corymbia hamersleyana</i> over <i>Triodia wiseana</i> , <i>Acacia bivenosa</i> and <i>Grevillea wickhamii</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 24/03/2021 | 514 | 316922 | 7596103 | Rocky creek between chert and dolomite. Veg = <i>Corymbia hamersleyana</i> over <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Acacia bivenosa</i> , <i>Grevillea wickhamii</i> , <i>Santalum lanceolatum</i> and <i>Gossypium robinsonii</i> over <i>Triodia epactia</i> , <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> and <i>Eriachne mucronata</i> |
| 24/03/2021 | 518 | 316915 | 7596025 | Scattered <i>Acacia inaequilatera</i> over <i>Triodia wiseana</i> |
| 24/03/2021 | 519 | 316924 | 7595994 | Change to <i>Acacia arida</i> over <i>Triodia scintillans</i> to SSE |
| 24/03/2021 | 520 | 316913 | 7595982 | <i>Acacia arida</i> over <i>Triodia scintillans</i> |
| 24/03/2021 | 523 | 315306 | 7596129 | Rocky creek. <i>Corymbia hamersleyana</i> over <i>Acacia tumida</i> var. <i>pilbarensis</i> |
| 24/03/2021 | 524 | 315343 | 7596021 | Small drainage line |
| 24/03/2021 | 544 | 317600 | 7596000 | Floodplain - <i>Acacia pyrifolia</i> over * <i>Cenchrus ciliaris</i> |
| 24/03/2021 | 546 | 317594 | 7596303 | <i>Acacia pyrifolia</i> over <i>Triodia wiseana</i> , <i>Triodia epactia</i> and <i>Triodia longiceps</i> |
| 24/03/2021 | 547 | 317609 | 7596711 | <i>Acacia synchronicia</i> over <i>Triodia longiceps</i> |
| 24/03/2021 | 549 | 317400 | 7597000 | <i>Acacia robeorum</i> and <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> |
| 24/03/2021 | 551 | 317401 | 7596822 | <i>Acacia robeorum</i> over <i>Triodia scintillans</i> and <i>Triodia wiseana</i> |
| 25/03/2021 | 532 | 316836 | 7596576 | <i>Triodia brizoides</i> on silica/quartz outcrop |
| 25/03/2021 | 533 | 316853 | 7596503 | Same substrate as WP 532, lower slope. Change to <i>Triodia scintillans</i> and <i>Triodia wiseana</i> . Creekline with <i>Triodia longiceps</i> below |
| 25/03/2021 | 547 | 316459 | 7596405 | <i>Acacia arida</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> . Dolomite outcropping, layer of silcareous rocks |
| 25/03/2021 | 548 | 316453 | 7596197 | Wider creekline with rocky centre. <i>Corymbia hamersleyana</i> over <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Acacia maitlandii</i> , <i>Petalostylis labicheoides</i> and <i>Gossypium robinsonii</i> over <i>Triodia epactia</i> and <i>Chrysopogon fallax</i> |
| 25/03/2021 | 544 | 315103 | 7595739 | Creekline, lots of dead tall shrubs. <i>Acacia tumida</i> var. <i>pilbarensis</i> over <i>Triodia epactia</i> |
| 25/03/2021 | 547 | 315498 | 7595131 | <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Eucalyptus odontocarpa</i> over <i>Triodia epactia</i> , <i>Bonamia erecta</i> |
| 25/03/2021 | 550 | 315614 | 7595748 | Same as WP 547 |
| 9/04/2021 | 1911 | 312453 | 7606528 | Same VT as WC018 but condition is Good (cattle disturbance and weeds are greater, lower cover of vegetation and possible clearing?) |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 9/04/2021 | 1047 | 315628 | 7604284 | Pale brown clay-loam plain, disturbed veg. Species = <i>*Cenchrus ciliaris</i> dominated with <i>*Citrullus colocynthis</i> , <i>Cyperus vaginatus</i> , <i>Rhynchosia minima</i> , <i>Abutilon otocarpum</i> , dead <i>*Calotropis procera</i> , <i>Alysicarpus muelleri</i> , <i>Senna notabilis</i> . Scattered <i>Acacia colei</i> var. <i>colei</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia trachycarpa</i> , <i>Atalaya hemiglauca</i> , <i>*Malvastrum americanum</i> , <i>Sida fibulifera</i> , <i>Abutilon oxycarpum</i> subsp. Prostrate (A.A. Mitchell PRP 1266), <i>Crotalaria medicaginea</i> var. <i>neglecta</i> , <i>Notoleptopus decaisnei</i> , <i>*Aerva javanica</i> , <i>Boerhavia</i> sp., <i>Ipomoea muelleri</i> . <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> shrubland to the east, understory still the same mix of <i>*Cenchrus ciliaris</i> and <i>*Cenchrus setiger</i> |
| 9/04/2021 | 1049 | 315937 | 7604569 | Change from WJ014 (W) to <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> , with <i>Acacia inaequilatera</i> and <i>Acacia robeorum</i> . More rocky, dolomite outcropping, scattered <i>Corymbia hamersleyana</i> |
| 10/04/2021 | 597 | 319640 | 7600669 | On top of stony rise, recently burnt (<18 months ago). Geology = Dolerite surface stones on brown sandy clay loam. All taxa are small (heights do not exceed 0.8 m). Species = <i>Indigofera monophylla</i> , <i>Triodia wiseana</i> , <i>Senna notabilis</i> , <i>Eriachne pulchella</i> subsp. <i>dominii</i> , <i>Gossypium australe</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Ptilotus exaltatus</i> , <i>Ptilotus calostachyus</i> and <i>Bulbostylis barbata</i> |
| 10/04/2021 | 1919 | 318816 | 7602293 | Minor rocky drainage line. Veg = <i>Corymbia hamersleyana</i> (occasional) over <i>Acacia bivenosa</i> and <i>Senna</i> spp. over <i>Triodia longiceps</i> |
| 10/04/2021 | 1050 | 319725 | 7602381 | <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> in minor flowline on red-brown clay loam with colluvial rocks. Other species = <i>Senna artemisioides</i> subsp. <i>oligophylla</i> , <i>Senna symonii</i> , <i>Triodia wiseana</i> . Continues south from here. PQ 290 is a transition between this and WJ015 (and that is similar to WJ012), surrounded by stony plain (quartz, dolomite, colluvial) with <i>Acacia bivenosa</i> and <i>Acacia robeorum</i> over <i>Triodia longiceps</i> |
| 10/04/2021 | 1053 | 319814 | 7602442 | Change from WP 1050 mosaic to <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> on red-brown loam. <i>Acacia inaequilatera</i> upslope and in flowlines. <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Senna notabilis</i> , <i>Abutilon</i> cf. sp. Dioicum (A.A. Mitchell PRP 1618), <i>Indigofera monophylla</i> , <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> |
| 10/04/2021 | 1057 | 319507 | 7603758 | <i>Triodia wiseana</i> on chert. Scattered low <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> , <i>Senna sericea</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> |
| 10/04/2021 | 1058 | 319698 | 7603351 | Minor flowline, sandy clay-loam substrate. <i>Petalostylis labicheoides</i> over <i>Triodia longiceps</i> (no <i>*Cenchrus ciliaris</i>) |
| 10/04/2021 | 1059 | 319807 | 7603108 | Minor creek, <i>Corymbia hamersleyana</i> over <i>Petalostylis labicheoides</i> over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 10/04/2021 | 1060 | 319973 | 7603020 | At PQ 285. Creekline with steep banks and stony / gravelly bed in narrow channel, often with floodplain/terrace. Veg = <i>Eucalyptus victrix</i> (8 m) over <i>Melaleuca glomerata</i> (5 m) over * <i>Cenchrus ciliaris</i> , <i>Cyperus vaginatus</i> , <i>Triodia wiseana</i> and <i>Triodia longiceps</i> . <i>Acacia pyrifolia</i> , <i>Acacia arida</i> , * <i>Aerva javanica</i> scattered throughout |
| 11/04/2021 | 1941 | 313577 | 7603029 | Stony bare plain, condition = Poor. Veg = <i>Triodia wiseana</i> , * <i>Cenchrus ciliaris</i> , <i>Sporobolus australasicus</i> , <i>Portulaca oleracea</i> , <i>Trianthema triquetrum</i> and <i>Solanum</i> spp. |
| 11/04/2021 | 1062 | 314267 | 7604857 | Stony plain with <i>Triodia wiseana</i> |
| 11/04/2021 | 1063 | 314322 | 7604907 | Change from WP 1602 (SW) to * <i>Cenchrus ciliaris</i> on red clay-loam to the NE, some <i>Triodia epactia</i> . Scattered <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Atalaya hemiglauca</i> , <i>Acacia trachycarpa</i> and <i>Acacia pyrifolia</i> throughout |
| 11/04/2021 | 1064 | 314427 | 7605010 | <i>Eucalyptus victrix</i> in stony creek with <i>Melaleuca glomerata</i> along the edge |
| 11/04/2021 | 1065 | 314451 | 7605047 | <i>Acacia coriacea</i> subsp. <i>pendens</i> on red clay-loam, <i>Atalaya hemiglauca</i> trees and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> scattered over * <i>Cenchrus ciliaris</i> grassland. West of WJ020 is a minor flowline with <i>Petalostylis labicheoides</i> , east of WJ020 is eroding dolomite scarp and plateau with <i>Triodia wiseana</i> |
| 11/04/2021 | 1068 | 314931 | 7605346 | Same as WJ021, minor drainage line with <i>Petalostylis labicheoides</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> and <i>Acacia ptychophylla</i> |
| 11/04/2021 | 1069 | 315116 | 7605247 | Patch of <i>Triodia scintillans</i> on mixed colluvial plain (chert, ironstone, quartz) |
| 11/04/2021 | 1070 | 315167 | 7605234 | Back to <i>Triodia wiseana</i> on brown clay-loam plain / sheet flow. Scattered <i>Petalostylis labicheoides</i> , <i>Atalaya hemiglauca</i> and <i>Corymbia hamersleyana</i> |
| 11/04/2021 | 1072 | 315163 | 7605061 | Slight change from WJ022, less herbs, more grass (* <i>Cenchrus ciliaris</i> and <i>Triodia wiseana</i>). Other species = <i>Indigofera trita</i> subsp. <i>trita</i> , <i>Cassyltha capillaris</i> , <i>Indigofera monophylla</i> , <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Pluchea ferdinandi-muelleri</i> , <i>Pluchea tetranthera</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , small <i>Acacia trachycarpa</i> , <i>Acacia bivenosa</i> , <i>Stemodia grossa</i> and * <i>Calotropis procera</i> |
| 11/04/2021 | 1073 | 315045 | 7605030 | * <i>Cenchrus ciliaris</i> and <i>Triodia longiceps</i> on brown sandy clay-loam |
| 11/04/2021 | 1074 | 314907 | 7604975 | <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> over * <i>Cenchrus ciliaris</i> and <i>Triodia longiceps</i> |
| 11/04/2021 | 1076 | 314642 | 7604882 | Stony creek with <i>Eucalyptus victrix</i> , <i>Melaleuca glomerata</i> and <i>Centipeda minima</i> subsp. <i>macrocephala</i> |
| 12/04/2021 | 1081 | 316368 | 7606668 | Change from 1086 (E) to WJ027 (W) |
| 12/04/2021 | 1083 | 316259 | 7606658 | Change from WJ027 to WP 1084 |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 12/04/2021 | 1084 | 316314 | 7606763 | At PQ 209. Lower slope, rocky (>50 % outcropping of chert), red-brown clay loam. <i>Triodia scintillans</i> (35 %) with scattered <i>Acacia inaequilatera</i> (0.5 %), <i>Acacia bivenosa</i> (1 %), <i>Acacia robeorum</i> (0.3 %), <i>Bulbostylis barbata</i> , <i>Goodenia stobbsiana</i> (0.2 %). Outcrops with <i>Grevillea wickhamii</i> and <i>Calytrix carinata</i> |
| 12/04/2021 | 1085 | 316410 | 7606735 | Change from WP 1084 to 1086 |
| 12/04/2021 | 1086 | 316438 | 7606710 | Stony plain (colluvial, quartz, ironstone and chert stones). <i>Acacia bivenosa</i> , <i>Acacia robeorum</i> over <i>Triodia wiseana</i> and <i>Triodia longiceps</i> |
| 12/04/2021 | 1080 | 316547 | 7606396 | Creepline adjacent to quadrat WJ036. Veg = <i>Bonamia erecta</i> , <i>Calytrix carinata</i> , <i>Afrohybanthus aurantiacus</i> , <i>Waltheria virgata</i> , <i>Themeda triandra</i> , * <i>Cenchrus ciliaris</i> , <i>Indigofera monophylla</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Senna notabilis</i> , <i>Dodonaea coriacea</i> , <i>Ptilotus exaltatus</i> , <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> |
| 13/04/2021 | 1965 | 317734 | 7596021 | Same as WC032 - * <i>Cenchrus ciliaris</i> (50 %), <i>Triodia epactia</i> , <i>Acacia trachycarpa</i> , <i>Atalaya hemiglauca</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia synchronicia</i> . Condition = Degraded |
| 13/04/2021 | 1966 | 317809 | 7596085 | Change in habitat at the base of a steep stony hill. Lower slopes of <i>Triodia longiceps</i> , <i>Triodia epactia</i> , <i>Acacia arida</i> and <i>Gossypium robinsonii</i> |
| 13/04/2021 | 1967 | 317864 | 7596127 | Very steep (>45 °) rocky slope, condition = Very Good. Veg = <i>Triodia epactia</i> , <i>Triodia brizoides</i> , <i>Eriachne mucronata</i> , <i>Euphorbia careyi</i> , * <i>Cenchrus ciliaris</i> and <i>Cymbopogon ambiguus</i> |
| 13/04/2021 | 1970 | 318090 | 7596574 | Same as WC002, more recently burnt. Species = <i>Indigofera monophylla</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triodia wiseana</i> , <i>Triodia brizoides</i> , <i>Acacia inaequilatera</i> , <i>Sporobolus australasicus</i> and <i>Acacia arida</i> |
| 13/04/2021 | 1971 | 318130 | 7596708 | <i>Triodia wiseana</i> stony plain on white limestone/calcrete, condition = Good. Other species = <i>Notoleptopus decaisnei</i> , <i>Sporobolus australasicus</i> , <i>Acacia robeorum</i> , <i>Eragrostis eriopoda</i> , * <i>Cenchrus ciliaris</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Heliotropium chrysocarpum</i> |
| 13/04/2021 | 1972 | 318138 | 7596762 | Change in habitat / stones = silica cap washdown (darker stones), ironstone, quartz. <i>Triodia wiseana</i> and dead shrubs (burnt 5-10 yrs ago). Condition = Good |
| 13/04/2021 | 1973 | 318141 | 7596840 | Change in habitat - base of dolomite, rocky outcropping (to south). <i>Acacia arida</i> , <i>Acacia inaequilatera</i> , <i>Triodia wiseana</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , * <i>Cenchrus ciliaris</i> , <i>Grevillea wickhamii</i> , <i>Corchorus</i> aff. <i>incanus</i> |
| 13/04/2021 | 1985 | 318179 | 7596969 | Habitat change to stony plain, condition = Very Good |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 13/04/2021 | 1986 | 318216 | 7597287 | Minor drainage lines (network). Condition = Poor. Species = <i>Acacia ancistrocarpa</i> , <i>Paraneurachne muelleri</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triodia wiseana</i> , <i>Acacia robeorum</i> , <i>Notoleptopus decaisnei</i> , <i>Hibiscus sturtii</i> var. <i>platyklamys</i> , <i>Hibiscus coatesii</i> , <i>Goodenia muelleriana</i> , * <i>Cenchrus ciliaris</i> , <i>Chrysopogon fallax</i> |
| 13/04/2021 | 1987 | 318227 | 7597370 | Condition = Degraded, lots of * <i>Cenchrus ciliaris</i> |
| 13/04/2021 | 1988 | 318222 | 7597384 | Habitat change - stony undulating plain |
| 13/04/2021 | 1989 | 318235 | 7597481 | Habitat change - same as WP 1973 (condition = Excellent) |
| 13/04/2021 | 47 | 318267 | 7597602 | Habitat change - Condition = Degraded, * <i>Cenchrus ciliaris</i> floodplain/bank |
| 13/04/2021 | 48 | 318270 | 7597696 | Habitat change |
| 13/04/2021 | 174 | 318323 | 7597751 | Major stony creek with <i>Eucalyptus victrix</i> , condition = Poor |
| 13/04/2021 | 177 | 318387 | 7598007 | Habitat change |
| 13/04/2021 | 178 | 318416 | 7598059 | Undulating stony pain, chert, quartz with <i>Eriachne mucronata</i> , <i>Acacia synchronicia</i> , <i>Triodia epactia</i> and <i>Triodia wiseana</i> . Condition = Very Good |
| 13/04/2021 | 179 | 318482 | 7598206 | Minor drainage line, sandy clay. <i>Petalostylis labicheoides</i> , <i>Triodia longiceps</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Hibiscus coatesii</i> , <i>Acacia bivenosa</i> , <i>Acacia robeorum</i> , <i>Hibiscus sturtii</i> var. <i>platyklamys</i> , <i>Grevillea wickhamii</i> |
| 13/04/2021 | 243 | 318573 | 7598382 | Same as WP 179 |
| 13/04/2021 | 310 | 316031 | 7601746 | Habitat change - * <i>Cenchrus ciliaris</i> plain to east, stony low hills to west |
| 13/04/2021 | 352 | 315977 | 7601750 | Minor drainage line |
| 13/04/2021 | 1090 | 317367 | 7597187 | <i>Acacia synchronicia</i> over <i>Eremophila forrestii</i> subsp. <i>forrestii</i> , <i>Senna symonii</i> , <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) over <i>Triodia wiseana</i> and <i>Triodia epactia</i> on red-brown clay loam, shallow flowline within plains or <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> |
| 13/04/2021 | 1092 | 317123 | 7597070 | <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> . Some <i>Acacia maitlandii</i> and <i>Triodia longiceps</i> present in drainage lines coming off dolomite hills |
| 13/04/2021 | 1093 | 317194 | 7597357 | Patches of red-brown (sandy) clay loam within floodplain. Scattered <i>Acacia pyriformis</i> , <i>Acacia robeorum</i> over <i>Indigofera monophylla</i> , <i>Acacia bivenosa</i> over * <i>Cenchrus ciliaris</i> , <i>Triodia epactia</i> and small herbs/grasses |
| 13/04/2021 | 1095 | 317489 | 7597452 | Major flowline, erosion channel. Lots of bare ground - red-brown sandy clay loam, colluvial stones (<10 %). Veg = <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> , <i>Triodia epactia</i> , * <i>Cenchrus ciliaris</i> and <i>Trianthema</i> sp. and <i>Boerhavia</i> sp. |
| 13/04/2021 | 1098 | 317364 | 7597459 | Floodplain with <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia ancistrocarpa</i> , <i>Acacia bivenosa</i> and <i>Atalaya hemiglauca</i> over * <i>Cenchrus ciliaris</i> and <i>Triodia epactia</i> and some <i>Triodia wiseana</i> |
| 13/04/2021 | 1100 | 317339 | 7597455 | Change to WP 1092 (lots of <i>Heliotropium</i> aff. <i>argyreum</i>) |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 13/04/2021 | 1101 | 317237 | 7597447 | Low lying (depressions) with <i>Atalaya hemiglauca</i> and <i>Acacia pyrifolia</i> over <i>Gossypium robinsonii</i> over <i>Indigofera monophylla</i> over * <i>Cenchrus ciliaris</i> |
| 13/04/2021 | 1102 | 317192 | 7597490 | Same as next to WJ006 (patch of smaller <i>Triodia</i>) on stony plain (Quartz?, Chert?, Dolomite?) on red-brown clay loam overlaying dolomite |
| 13/04/2021 | 1105 | 317248 | 7597563 | Deep narrow creekline in dolomite, colluvial stones. Same as WJ007 but without <i>Eucalyptus victrix</i> . <i>Corymbia</i> sp. present (possibly <i>candida</i> subsp. <i>dipsodes</i>) |
| 13/04/2021 | 1107 | 317376 | 7597555 | Same as WP 1098, including <i>Acacia trachycarpa</i> |
| 13/04/2021 | 1109 | 317229 | 7597651 | Mosaic of WJ006 and WP 1102 |
| 13/04/2021 | 1110 | 317430 | 7597754 | Creek with clay-loam sediment in bed. Veg = <i>Eucalyptus victrix</i> over <i>Atalaya hemiglauca</i> , <i>Acacia pyrifolia</i> , <i>Acacia trachycarpa</i> over * <i>Cenchrus ciliaris</i> |
| 13/04/2021 | 1112 | 317231 | 7597921 | Plain with <i>Acacia synchronicia</i> (U1), <i>Acacia trachycarpa</i> (M1) over <i>Triodia longiceps</i> over <i>Triodia wiseana</i> and * <i>Cenchrus ciliaris</i> and scattered <i>Acacia bivenosa</i> |
| 13/04/2021 | 1113 | 317108 | 7597992 | * <i>Cenchrus ciliaris</i> floodplain, scattered <i>Eucalyptus victrix</i> and <i>Corymbia hamersleyana</i> over <i>Atalaya hemiglauca</i> , <i>Acacia trachycarpa</i> and <i>Melaleuca glomerata</i> |
| 13/04/2021 | 1115 | 316863 | 7598282 | * <i>Cenchrus ciliaris</i> everywhere, scattered <i>Atalaya hemiglauca</i> , <i>Eucalyptus victrix</i> along the creek |
| 13/04/2021 | 1116 | 317038 | 7598138 | <i>Acacia trachycarpa</i> over * <i>Cenchrus ciliaris</i> . Some low <i>Acacia pyrifolia</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> |
| 13/04/2021 | 1117 | 317238 | 7598028 | Same as WP 1116, lone <i>Eucalyptus victrix</i> over <i>Atalaya hemiglauca</i> over <i>Triodia wiseana</i> (* <i>Calotropis procera</i> present) |
| 13/04/2021 | 1118 | 317492 | 7598188 | Same as WP 1117 |
| 13/04/2021 | 1119 | 317529 | 7598273 | Transition from WP 1118 to <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> |
| 13/04/2021 | 1120 | 317616 | 7598424 | Open stony patch within WJ001 (no major change) |
| 13/04/2021 | 1121 | 317761 | 7598711 | Flowline areas with chert outcrops in between. Veg = <i>Acacia arida</i> over <i>Triodia longiceps</i> and * <i>Cenchrus ciliaris</i> . <i>Triodia epactia</i> on the rocky outcrops, some <i>Acacia trachycarpa</i> , <i>Acacia bivenosa</i> and <i>Acacia pyrifolia</i> on the flat clay-loam flowline area |
| 13/04/2021 | 1122 | 317657 | 7598504 | Minor change to WP 1120. Located on upper ground - less <i>Triodia</i> , more small shrubs. Possibly burnt more recently? <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Sida echinocarpa</i> , <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90), <i>Gossypium australe</i> , <i>Abutilon</i> sp., <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Tephrosia</i> sp., * <i>Aerva javanica</i> , <i>Sida</i> ? <i>fibulifera</i> and <i>Corchorus sidoides</i> subsp. <i>sidoides</i> . |
| 13/04/2021 | 1123 | 317831 | 7598898 | Flowlines with <i>Acacia bivenosa</i> over * <i>Cenchrus ciliaris</i> and <i>Triodia longiceps</i> on purple-brown clay-loam |
| 13/04/2021 | 1126 | 317343 | 7600108 | Change from WJ030 (E) to <i>Acacia bivenosa</i> and <i>Acacia roborum</i> over <i>Triodia longiceps</i> (W) at base of the hill |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 13/04/2021 | 1127 | 318071 | 7600160 | Stony plains with minor flowlines (on red-brown clay loam flats). <i>Acacia synchronicia</i> over <i>Triodia longiceps</i> , * <i>Cenchrus ciliaris</i> and <i>Eragrostis xerophila</i> , <i>Sclerolaena bicornis</i> var. <i>bicornis</i> and <i>Sclerolaena lanicuspis</i> |
| 13/04/2021 | 1128 | 318076 | 7600382 | Change from WP 1127 to WJ031 |
| 14/04/2021 | 561 | 317609 | 7599317 | Dolomite hills. <i>Acacia inaequilatera</i> (2 m) (0.3 %) <i>Acacia arida</i> (1.5 m) (5-10 %) <i>Petalostylis labicheoides</i> (2 m)(0-1 %) <i>Triodia wiseana</i> (0.9 m)(35 %) <i>Heliotropium</i> aff. <i>argyreum</i> (0.3%) Other species = <i>Senna symonii</i> and <i>Acacia bivenosa</i> |
| 14/04/2021 | 577 | 315993 | 7603573 | WKREV002 = burnt 2-3 yrs ago on dolomite hilltop. <i>Acacia arida</i> (0.5 m) (5-15 %) over <i>Triodia wiseana</i> (0.6 m) (25 %) |
| 14/04/2021 | 615 | 315325 | 7603901 | To the west = similar to WJ001? <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> with patches of <i>Triodia longiceps</i> and abundant * <i>Cenchrus ciliaris</i> |
| 14/04/2021 | 616 | 315247 | 7603643 | Red-brown sandy clay loam flat. Veg = <i>Triodia epactia</i> with some * <i>Cenchrus ciliaris</i> and <i>Trianthema pilosum</i> and scattered <i>Acacia pyrifolia</i> , <i>Corymbia hamersleyana</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> |
| 14/04/2021 | 617 | 315464 | 7602890 | Stony rise with <i>Acacia arida</i> over <i>Triodia wiseana</i> and <i>Ptilotus clementii</i> |
| 14/04/2021 | 618 | 315520 | 7602774 | Same as WP 617 with <i>Acacia inaequilatera</i> and <i>Acacia bivenosa</i> |
| 14/04/2021 | 619 | 315536 | 7602740 | Edge of steep slope down to a major creek |
| 14/04/2021 | 620 | 315592 | 7602688 | <i>Eucalyptus victrix</i> over * <i>Cenchrus ciliaris</i> and <i>Cynodon dactylon</i> (* <i>Calotropis procera</i> present). Other species = <i>Atalaya hemiglauca</i> and <i>Melaleuca glomerata</i> . Steep dolomite banks to the east (to east = <i>Acacia pyrifolia</i> , <i>Nicotiana benthamiana</i> , <i>Dicladantha forrestii</i> and * <i>Rumex vesicarius</i>) |
| 14/04/2021 | 621 | 315622 | 7602634 | Same as WJ010 |
| 14/04/2021 | 623 | 315675 | 7602555 | Red-brown sandy clay loam floodplain. Veg = <i>Atalaya hemiglauca</i> over <i>Acacia pyrifolia</i> over * <i>Cenchrus ciliaris</i> and <i>Acacia coriacea</i> subsp. <i>pendens</i> |
| 14/04/2021 | 624 | 315886 | 7602397 | Change from floodplain (<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> and <i>Acacia pyrifolia</i> over * <i>Cenchrus ciliaris</i>) to stonier plain with <i>Triodia wiseana</i> with scattered <i>Acacia bivenosa</i> and <i>Acacia robeorum</i> . Similar to WJ001 and WJ002/WJ004 |
| 14/04/2021 | 638 | 316251 | 7602221 | Same as WP 624 |
| 14/04/2021 | 648 | 316551 | 7602151 | <i>Acacia arida</i> over <i>Triodia wiseana</i> on dolomite |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 14/04/2021 | 656 | 316596 | 7602168 | Change from WP 648 to <i>Triodia longiceps</i> on stony plain with <i>Acacia robeorum</i> |
| 14/04/2021 | 662 | 317100 | 7601888 | <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> , scattered <i>Acacia inaequilatera</i> , <i>Senna sericea</i> . Within dolomite area, shallowly covered by chert stones (some <i>Triodia longiceps</i> on lower slopes) |
| 14/04/2021 | 663 | 317712 | 7601709 | Here and NNW - white stony plains. Veg = <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> and <i>Triodia longiceps</i> (not a big change from WP 662) |
| 14/04/2021 | 664 | 317356 | 7601910 | Drainage (foreign clay sediment from waste rock wall). <i>Acacia ancistrocarpa</i> over <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> |
| 14/04/2021 | 667 | 317691 | 7600311 | Major drainage line (flowline) on red-brown clay loam. <i>Corymbia hamersleyana</i> over <i>Acacia ancistrocarpa</i> , <i>Acacia bivenosa</i> , <i>Carissa lanceolata</i> and <i>Santalum lanceolatum</i> over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> , <i>Chrysopogon fallax</i> and <i>Themeda triandra</i> |
| 14/04/2021 | 668 | 317898 | 7600562 | Here and to the west = <i>Triodia longiceps</i> , and some <i>Triodia wiseana</i> on stony plain (ironstone and eroded dolomite / calcrete), some clay patches present with <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> , <i>Stemodia grossa</i> , <i>Heliotropium chrysocarpum</i> and annual grasses |
| 14/04/2021 | 669 | 317935 | 7600556 | Change to WJ031 (ESE) from WP 668 |
| 14/04/2021 | 670 | 318158 | 7600539 | Here and to the SE = <i>Acacia synchronicia</i> , <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Triodia wiseana</i> . Other species: <i>Heliotropium chrysocarpum</i> , <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Solanum lasiophyllum/phlomoides</i> , <i>Gossypium australe</i> , <i>Paraneurachne muelleri</i> , * <i>Cenchrus ciliaris</i> (large patch of <i>Scaevola spinescens</i> about 0.6 m high). Overall similar to WJ001 |
| 14/04/2021 | 665 | 317391 | 7600309 | Same as WJ030 but in drainage line. Veg = <i>Acacia ancistrocarpa</i> , <i>Grevillea wickhamii</i> , <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> and <i>Acacia bivenosa</i> over <i>Senna symonii</i> over <i>Triodia wiseana</i> , <i>Heliotropium</i> aff. <i>argyreum</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Acacia hilliana</i> and <i>Goodenia stobbsiana</i> |
| 14/04/2021 | 666 | 317434 | 7600300 | <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> (same as WJ031?). Other common species include <i>Senna sericea</i> and <i>Senna symonii</i> |
| 14/04/2021 | 672 | 312568 | 7607111 | Stony plain (colluvial) next to WJ032. >95 % bare ground, ~90 % stones (to 200mm). Veg = <i>Sporobolus australasicus</i> , <i>Eragrostis xerophila</i> , <i>Cynodon prostratus</i> , <i>Portulaca oleracea</i> , <i>Portulaca cyclophylla</i> and <i>Trianthema turgidifolium</i> |
| 14/04/2021 | 673 | 312524 | 7607033 | Change to WP 674 |
| 14/04/2021 | 674 | 312473 | 7606973 | <i>Acacia robeorum</i> over <i>Triodia wiseana</i> on red-brown clay loam (not so dissimilar to WJ032 - in small and annual taxa) |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 15/04/2021 | 626 | 316055 | 7605243 | Veg = WK016 with <i>Gossypium robinsonii</i> |
| 15/04/2021 | 671 | 315035 | 7604364 | Relevé KM01: Floodplain - red sandy clay loam (condition = Poor) at PQ 266. <i>Hakea lorea</i> subsp. <i>lorea</i> (4 m) (2 %) <i>Acacia robeorum</i> (2 m) (1 %) <i>Acacia pyrifolia</i> (1.8 m) (0.5 %) <i>Atalaya hemiglauc</i> a (7 m) (1 %) * <i>Cenchrus ciliaris</i> (0.7 m) (40-50 %) <i>Boerhavia coccinea</i> (0.2 m) (0-3 %) Other species = <i>Arivela viscosa</i> , <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia trachycarpa</i> and <i>Triodia longiceps</i> |
| 15/04/2021 | 698 | 317200 | 7601240 | At PQ 277. Relevé KM02: Stony hilltop - clay loam. Veg = WK033, which is 300 m to the south |
| 15/04/2021 | 582 | 316501 | 7603627 | * <i>Cenchrus ciliaris</i> and * <i>Aerva javanica</i> prevalent (condition = Degraded). Ground disturbed, muddy and earthworks. <i>Acacia</i> spp., <i>Notoleptopus</i> , <i>Triodia wiseana</i> , <i>Capparis spinosa</i> subsp. <i>nummularia</i> , <i>Petalostylis labicheoides</i> |
| 15/04/2021 | 503 | 316550 | 7603606 | Not as many weeds, but little ground disturbance (condition = Poor) |
| 6/05/2021 | 462 | 316089 | 7607708 | Change of geology and veg. S and E from here = <i>Triodia wiseana</i> on dolomite (scattered <i>Corymbia hamersleyana</i> , <i>Petalostylis labicheoides</i> and <i>Grevillea wickhamii</i>). N and W from here = <i>Triodia scintillans</i> on silicreted chert (scattered <i>Acacia inaequilatera</i> and <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>) |
| 6/05/2021 | 463 | 316102 | 7607806 | N from here = mix of <i>Triodia wiseana</i> and <i>Triodia scintillans</i> on shallow silicreted chert over dolomite |
| 6/05/2021 | 470 | 316096 | 7607867 | <i>Triodia longiceps</i> on stony slope (dolomite and chert), scattered <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> |
| 6/05/2021 | 473 | 316107 | 7608171 | <i>Triodia scintillans</i> on orange silicreted chert-stony plains and rolling hills; scattered <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and some <i>Corymbia hamersleyana</i> over <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> and <i>Senna glutinosa</i> s. lat. <i>Grevillea wickhamii</i> and <i>Acacia ptychophylla</i> in drainage lines and on outcrops |
| 6/05/2021 | 474 | 316113 | 7608223 | Same as WC040R |
| 6/05/2021 | 475 | 316250 | 7608264 | Same as WC040R |
| 6/05/2021 | 476 | 316254 | 7608139 | Change from WP 475 (N) to <i>Triodia scintillans</i> with scattered <i>Acacia inaequilatera</i> on orange chert stones (S from here) |
| 6/05/2021 | 477 | 316252 | 7608062 | Change from WP 476 (N) to analogue of 470 with <i>Triodia wiseana</i> dominant (S) |
| 6/05/2021 | 620 | 316300 | 7607810 | Stony undulating hills (fire = >5 yrs), on red-brown clay loam with dolomite/dolerite surface stones (Condition = Excellent). Veg = <i>Grevillea wickhamii</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> over <i>Fimbristylis simulans</i> and <i>Sporobolus australasicus</i> with the occasional <i>Acacia robeorum</i> and <i>Senna symonii</i> |

| Date | Location Reference | Easting | Northing | Comment |
|-----------|--------------------|---------|----------|---|
| 6/05/2021 | 631 | 314292 | 7607600 | Dewatering point, condition = Good. <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> (20 % cover) <i>Melaleuca glomerata</i> (50 % cover) <i>Cyperus vaginatus</i> (0-30 % cover) |
| 6/05/2021 | 1764 | 314650 | 7608099 | <i>Triodia longiceps</i> , <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> , <i>Sclerolaena</i> spp., <i>Trianthema</i> spp. and <i>Tribulus hirsutus</i> on stony calcrete plain |
| 6/05/2021 | 1765 | 315018 | 7608274 | <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Triodia longiceps</i> , <i>Acacia robeorum</i> , <i>Ptilotus exaltatus</i> , <i>Senna symonii</i> and <i>Acacia bivenosa</i> |
| 6/05/2021 | 1766 | 315091 | 7608065 | Low stony rises/hills with <i>Acacia inaequilatera</i> , <i>Corymbia hamersleyana</i> , <i>Triodia scintillans</i> , <i>Dysphania sphaerosperma</i> , <i>Ptilotus clementii</i> , <i>Tribulus hirsutus</i> , <i>Heliotropium</i> spp., <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> |
| 6/05/2021 | 1768 | 316107 | 7607582 | Calcrete small drainage line. <i>Corymbia hamersleyana</i> , <i>Petalostylis labicheoides</i> , <i>Grevillea wickhamii</i> , <i>Triodia longiceps</i> , <i>Triodia wiseana</i> , <i>Heliotropium</i> aff. <i>argyreum</i> and <i>Ptilotus clementii</i> |
| 6/05/2021 | 1771 | 315994 | 7607770 | Dolomite hilltop. <i>Triodia scintillans</i> , <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Senna symonii</i> , <i>Acacia bivenosa</i> , <i>Petalostylis labicheoides</i> , <i>Acacia robeorum</i> , <i>Triodia longiceps</i> , <i>Fimbristylis simulans</i> , <i>Ptilotus clementii</i> and <i>Ptilotus exaltatus</i> |
| 7/05/2021 | 480 | 319309 | 7606053 | <i>Triodia longiceps</i> and some <i>Triodia wiseana</i> patches on stony plain (colluvium dominated by ?siltstone), scattered <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> , <i>Senna symonii</i> . <i>Petalostylis labicheoides</i> in flowlines |
| 7/05/2021 | 481 | 319416 | 7606061 | Change from WP 480 (W) to <i>Triodia wiseana</i> on rocky upper slope, below ?siltstone ridge (E) |
| 7/05/2021 | 482 | 319219 | 7606149 | Surface flow area with ?magnesium ore stones. Patches of <i>Petalostylis labicheoides</i> or <i>Acacia robeorum</i> over <i>Triodia longiceps</i> or mix of grasses/herbs (* <i>Cenchrus ciliaris</i> , <i>Paraneurachne muelleri</i> , <i>Senna notabilis</i> , <i>Ptilotus exaltatus</i> , <i>Ptilotus astrolasius</i>) |
| 7/05/2021 | 483 | 319137 | 7606179 | = WP 482 with <i>Acacia ptychophylla</i> , <i>Senna symonii</i> and <i>Heliotropium chrysocarpum</i> |
| 7/05/2021 | 484 | 319405 | 7606249 | Change from lower to mid/upper slope: <i>Triodia longiceps</i> (W) to <i>Triodia wiseana</i> (E), still on ?siltstone stony slope |
| 7/05/2021 | 486 | 319344 | 7606346 | Similar to WJ033R, deeper colluvium (more <i>Triodia longiceps</i> , no <i>Triodia epactia</i>) |
| 7/05/2021 | 487 | 319312 | 7606350 | Minor flowline with <i>Petalostylis labicheoides</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> on brown clay loam |
| 7/05/2021 | 488 | 319283 | 7606360 | Chert/stony slope with <i>Triodia longiceps</i> , <i>Petalostylis labicheoides</i> and <i>Acacia robeorum</i> |
| 7/05/2021 | 489 | 319226 | 7606363 | ?Dolerite ridge with <i>Triodia longiceps</i> and <i>Triodia brizoides</i> , scattered <i>Senna glutinosa</i> s. lat. Below is some <i>Petalostylis labicheoides</i> over <i>Paraneurachne muelleri</i> and <i>Polycarpha</i> spp. |

| Date | Location Reference | Easting | Northing | Comment |
|-----------|--------------------|---------|----------|---|
| 7/05/2021 | 490 | 319036 | 7606450 | = WP 482 |
| 7/05/2021 | 491 | 319109 | 7606460 | Low ?dolerite rise with <i>Triodia longiceps</i> (all covered in <i>Cassytha capillaris</i>), some <i>Carissa lanceolata</i> , <i>Senna glutinosa</i> s. lat., <i>Senna symonii</i> and <i>Acacia bivenosa</i> |
| 7/05/2021 | 492 | 319436 | 7606457 | N-S running ridge of ?siltstone lined with <i>Triodia epactia</i> |
| 7/05/2021 | 493 | 319437 | 7606545 | ?Siltstone W of here (same as WJ033R), dolerite E of here (<i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over <i>Triodia brizoides</i> and <i>Triodia scintillans</i>) |
| 7/05/2021 | 496 | 318625 | 7606618 | <i>Acacia arida</i> over <i>Triodia scintillans</i> |
| 7/05/2021 | 497 | 318583 | 7606622 | <i>Triodia longiceps</i> on stony plain, scattered <i>Acacia robeorum</i> and <i>Senna symonii</i> |
| 7/05/2021 | 498 | 318520 | 7606564 | Chert hill with <i>Triodia longiceps</i> and <i>Triodia scintillans</i> , <i>Senna glutinosa</i> subsp. <i>pruinosa</i> , <i>Senna sericea</i> , <i>Senna symonii</i> , <i>Acacia robeorum</i> , <i>Ptilotus exaltatus</i> , <i>Ptilotus clementii</i> |
| 7/05/2021 | 499 | 318597 | 7606648 | Change from WP 497 (SW) to 496 (NE) |
| 7/05/2021 | 500 | 318691 | 7606636 | Change from WP 496 back to 497 |
| 7/05/2021 | 501 | 318983 | 7607152 | Stony chert slope with <i>Triodia scintillans</i> and <i>Cynodon convergens</i> , some <i>Triodia wiseana</i> in drainage lines. <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> and <i>Senna symonii</i> |
| 7/05/2021 | 502 | 319094 | 7607146 | Same as WP 501, chert/silica cap ridge |
| 7/05/2021 | 503 | 319187 | 7607149 | Flow line, red-brown sandy clay loam. <i>Acacia bivenosa</i> , <i>Acacia ptychophylla</i> , <i>Senna symonii</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Corchorus sidoides</i> subsp. <i>sidoides</i> , <i>Afrohybanthus aurantiacus</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Ptilotus calostachyus</i> , <i>Ptilotus exaltatus</i> over <i>Senna notabilis</i> , <i>Trigastrotheca molluginea</i> , <i>Sporobolus australasicus</i> , <i>Cynodon convergens</i> and * <i>Cenchrus ciliaris</i> . <i>Triodia longiceps</i> dominant spinifex |
| 7/05/2021 | 504 | 319243 | 7607149 | Low ridge of mixed geology amongst WP 501. <i>Triodia longiceps</i> , <i>Triodia epactia</i> , <i>Triodia scintillans</i> |
| 7/05/2021 | 505 | 319272 | 7607149 | Flowline adjacent to WP 504. <i>Grevillea wickhamii</i> over <i>Acacia ptychophylla</i> over <i>Triodia wiseana</i> , <i>Triodia epactia</i> , <i>Triodia longiceps</i> |
| 7/05/2021 | 506 | 319297 | 7607146 | Same veg and geology as WJ033R |
| 7/05/2021 | 508 | 319456 | 7607170 | Mix of WJ034R and <i>Triodia brizoides</i> on mixed rock outcrops of chert/siltstone. NE = <i>Acacia inaequilatera</i> over <i>Triodia brizoides</i> |
| 7/05/2021 | 509 | 319422 | 7607171 | Same as WJ033R but without <i>Triodia longiceps</i> |
| 7/05/2021 | 510 | 319209 | 7607048 | Between flowlines, low rise/ridge similar to WP 504. Mainly <i>Triodia longiceps</i> with some <i>Triodia epactia</i> |
| 7/05/2021 | 511 | 319143 | 7607052 | change from WP 510 to 501 |
| 7/05/2021 | 512 | 319076 | 7607054 | Amongst WP 511 veg is a patch of dolomite-like outcrop with <i>Triodia wiseana</i> |
| 7/05/2021 | 513 | 318914 | 7607035 | Stony plains with sandy flow lines. <i>Triodia longiceps</i> with scattered <i>Acacia robeorum</i> and <i>Senna symonii</i> |

| Date | Location Reference | Easting | Northing | Comment |
|-----------|--------------------|---------|----------|---|
| 7/05/2021 | 514 | 318966 | 7606951 | Change from 513 to 515 |
| 7/05/2021 | 515 | 319004 | 7606953 | <i>Triodia scintillans</i> on chert/silica cap patches with <i>Acacia ptychophylla</i> , some <i>Grevillea wickhamii</i> , <i>Acacia robeorum</i> and <i>Acacia inaequilatera</i> |
| 7/05/2021 | 516 | 319081 | 7606946 | Change from 515 to <i>Triodia longiceps</i> and <i>Triodia wiseana</i> on chert sprinkling over dolomite-like outcrop |
| 7/05/2021 | 517 | 319141 | 7606951 | Wide sandy flowline amongst <i>Triodia longiceps</i> stony plains. Veg = <i>Petalostylis labicheoides</i> over <i>Gossypium australe</i> , <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> , * <i>Cenchrus ciliaris</i> and small shrubs and herbs |
| 7/05/2021 | 519 | 319356 | 7606950 | Change from <i>Triodia longiceps</i> stony plains to WK033R below the ridge to the E. Almost exclusively <i>Triodia wiseana</i> |
| 7/05/2021 | 520 | 319285 | 7606848 | East edge of flowline (517), primarily <i>Gossypium australe</i> over * <i>Cenchrus ciliaris</i> |
| 7/05/2021 | 521 | 319228 | 7606846 | SW edge of flowline (517) |
| 7/05/2021 | 522 | 319187 | 7606855 | SW edge of flowline (517) |
| 7/05/2021 | 523 | 319159 | 7606850 | Between main flowlines; <i>Triodia longiceps</i> and <i>Triodia epactia</i> with patches of sediment |
| 7/05/2021 | 524 | 319107 | 7606850 | Western arm of the drainage system. Veg = <i>Grevillea wickhamii</i> over <i>Petalostylis labicheoides</i> and <i>Gossypium australe</i> over * <i>Cenchrus ciliaris</i> on brown clay loam |
| 7/05/2021 | 525 | 319044 | 7606850 | Mix of 523 and the flowlines |
| 7/05/2021 | 526 | 318983 | 7606849 | <i>Acacia ancistrocarpa</i> , <i>Petalostylis labicheoides</i> , <i>Acacia bivenosa</i> with some <i>Acacia trachycarpa</i> over * <i>Cenchrus ciliaris</i> , <i>Triodia epactia</i> and <i>Paraneurachne muelleri</i> and <i>Bonamia erecta</i> |
| 7/05/2021 | 527 | 319090 | 7606752 | Same as 513 |
| 7/05/2021 | 528 | 319296 | 7606749 | <i>Triodia longiceps</i> plains with some <i>Acacia robeorum</i> and <i>Senna sericea</i> , <i>Pluchea tetranthera</i> and <i>Pluchea ferdinandi-muelleri</i> |
| 7/05/2021 | 529 | 319361 | 7606750 | Eastern arm of the drainage system. Veg = <i>Grevillea wickhamii</i> , <i>Gossypium australe</i> and <i>Acacia ancistrocarpa</i> , small <i>Atalaya hemiglauca</i> trees over * <i>Cenchrus ciliaris</i> , <i>Indigofera monophylla</i> , <i>Euphorbia careyi</i> , <i>Afrohybanthus aurantiacus</i> and <i>Senna artemisioides</i> subsp. <i>oligophylla</i> |
| 7/05/2021 | 530 | 319390 | 7606760 | Change: NE - <i>Triodia wiseana</i> in chert/siltstone W - <i>Triodia longiceps</i> plains S - past flowline to WK033R |
| 7/05/2021 | 532 | 319377 | 7606646 | Change from WK033R to <i>Triodia longiceps</i> plains with some <i>Acacia robeorum</i> |

| Date | Location Reference | Easting | Northing | Comment |
|-----------|--------------------|---------|----------|--|
| 7/05/2021 | 533 | 319112 | 7606667 | PQ 235 = <i>Triodia longiceps</i> plains; small surface stones with a mix of chert, ironstone and quartz. Veg = scattered <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> and <i>Senna symonii</i> over <i>Triodia longiceps</i> |
| 7/05/2021 | 534 | 319060 | 7607435 | Flowline with <i>Acacia ancistrocarpa</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> and * <i>Cenchrus ciliaris</i> with some <i>Triodia epactia</i> and <i>Petalostylis labicheoides</i> |
| 7/05/2021 | 535 | 319239 | 7607430 | <i>Triodia longiceps</i> stony plains with scattered <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> and <i>Senna symonii</i> |
| 7/05/2021 | 536 | 319325 | 7607407 | Some <i>Triodia wiseana</i> to the W, <i>Triodia scintillans</i> to the NE |
| 7/05/2021 | 537 | 319351 | 7607349 | Start of WJ033R in the E-S |
| 7/05/2021 | 538 | 319263 | 7607303 | Flowline Veg = <i>Triodia longiceps</i> , <i>Acacia ptychophylla</i> , <i>Waltheria virgata</i> , <i>Afrohybanthus aurantiacus</i> and <i>Paraneurachne muelleri</i> |
| 7/05/2021 | 539 | 319237 | 7607320 | Same as 538, no <i>Waltheria virgata</i> |
| 7/05/2021 | 540 | 319252 | 7607399 | Same as 539 with <i>Grevillea wickhamii</i> and * <i>Cenchrus ciliaris</i> |
| 7/05/2021 | 541 | 319191 | 7607442 | Chert ridge with <i>Triodia epactia</i> and <i>Triodia scintillans</i> with scattered <i>Acacia inaequilatera</i> . <i>Triodia longiceps</i> below ridge |
| 7/05/2021 | 542 | 319150 | 7607392 | Same as 541. Extends E and W and then into mosaic with <i>Triodia epactia</i> , <i>Triodia wiseana</i> and <i>Triodia longiceps</i> patches with gullies cutting down to dolomite |
| 7/05/2021 | 543 | 318587 | 7607633 | Large creek with <i>Eucalyptus victrix</i> |
| 7/05/2021 | 545 | 318449 | 7607664 | <i>Melaleuca glomerata</i> |
| 7/05/2021 | 547 | 318097 | 7608020 | Change: floodplain with * <i>Cenchrus ciliaris</i> and <i>Acacia synchronicia</i> , <i>Acacia trachycarpa</i> , <i>Acacia ancistrocarpa</i> and <i>Carissa lanceolata</i> to the SE. Stony plain with <i>Triodia longiceps</i> , <i>Triodia epactia</i> , <i>Triodia wiseana</i> and <i>Triodia scintillans</i> to the NW |
| 7/05/2021 | 625 | 319423 | 7603700 | Minor flowline. Veg = WEREV003 but significantly less * <i>Cenchrus ciliaris</i> . Soil = red-brown sandy clay loam. Fire : 5-10 yrs and condition = Very Good |
| 7/05/2021 | 626 | 319440 | 7603763 | Flats between minor flowlines (similar to WEREV03). Fire = 5-10 yrs, condition = Excellent Soil = Red-brown sandy clay loam. Stones (surface) = ironstone and dolerite Veg = <i>Acacia robeorum</i> over <i>Senna sericea</i> over <i>Triodia longiceps</i> . Occasional <i>Ptilotus exaltatus</i> and some <i>Sporobolus australasicus</i> |

| Date | Location Reference | Easting | Northing | Comment |
|-----------|--------------------|---------|----------|--|
| 7/05/2021 | 631 | 319151 | 7603977 | In minor creekline. Fire = >10 yrs, xondition = good (lots of * <i>Cenchrus ciliaris</i> on banks). Soil = Red-brown sand with river/creek stones (mix). Veg = <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> , <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia ancistrocarpa</i> and <i>Petalostylis labicheoides</i> are the dominant taxa on the banks. Additional species (less prevalent): <i>Atalaya hemiglaucua</i> , * <i>Cenchrus ciliaris</i> , <i>Themeda triandra</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Gossypium australe</i> , <i>Senna notabilis</i> , <i>Rhynchosia minima</i> , <i>Cucumis variabilis</i> and <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> . PQ 242 = possibly supposed to be within the above minor creekline/flowline? WP = in small * <i>Cenchrus floodplain</i> ; not large enough to put a quadrat without capturing either creekline or adjacent slope |
| 7/05/2021 | 633 | 318800 | 7604203 | Area recently burnt (2-3 yrs). Dominant taxa = <i>Petalostylis labicheoides</i> , <i>Triodia longiceps</i> and <i>Corchorus sidoides</i> subsp. <i>sidoides</i> . Soil = red-brown sandy clay loam |
| 7/05/2021 | 658 | 319211 | 7605842 | <i>Triodia longiceps</i> undulating plain (= WK044) with <i>Triodia wiseana</i> on rocky ridges (red soil) |
| 7/05/2021 | 1781 | 318130 | 7602315 | <i>Triodia longiceps</i> , <i>Acacia bivenosa</i> , <i>Corchorus sidoides</i> subsp. <i>sidoides</i> , <i>Heliotropium</i> aff. <i>argyreum</i> , <i>Notoleptopus decaisnei</i> , <i>Senna notabilis</i> . Dead <i>Senna</i> / <i>Acacia</i> shrubs present |
| 7/05/2021 | 1784 | 318106 | 7602433 | Minor creek, sandy loam. Condition = Degraded, heavy cattle disturbance. Veg = * <i>Cenchrus ciliaris</i> and other weeds |
| 7/05/2021 | 1785 | 318098 | 7602468 | * <i>Cenchrus floodplain</i> with <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia pyrifolia</i> and isolated <i>Eucalyptus victrix</i> Condition = Degraded |
| 7/05/2021 | 1786 | 318110 | 7602600 | <i>Triodia wiseana</i> , <i>Triodia epactia</i> , <i>Acacia arida</i> , <i>Petalostylis labicheoides</i> , <i>Corymbia hamersleyana</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Hibiscus sturtii</i> and <i>Indigofera monophylla</i> . Condition = Excellent |
| 7/05/2021 | 1787 | 318148 | 7602806 | Minor flowline with <i>Acacia arida</i> , <i>Triodia epactia</i> , <i>Scaevola amblyanthera</i> var. <i>centralis</i> , <i>Euphorbia clementii</i> and <i>Hibiscus sturtii</i> . Condition = Excellent |
| 7/05/2021 | 1797 | 318150 | 7603149 | Cream sandy flowline with stony banks, calcrete and limestone bedrock. Condition = Excellent. Veg = <i>Acacia ancistrocarpa</i> over <i>Acacia bivenosa</i> over <i>Triodia epactia</i> with <i>Bonamia pilbarensis</i> and <i>Themeda triandra</i> |
| 7/05/2021 | 1805 | 317861 | 7603496 | Veg = WC041R. Condition = good |
| 7/05/2021 | 1806 | 317934 | 7603036 | Stony undulating plain. Veg = <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia bivenosa</i> , <i>Senna sericea</i> , <i>Acacia robeorum</i> , <i>Gomphrena cunninghamii</i> , <i>Ptilotus calostachyus</i> , <i>Triodia scintillans</i> , <i>Haloragis gossei</i> var. <i>gossei</i> , <i>Goodenia stobbsiana</i> and <i>Ptilotus clementii</i> |

| Date | Location Reference | Easting | Northing | Comment |
|-----------|--------------------|---------|----------|---|
| 7/05/2021 | 1807 | 318405 | 7602963 | Minor flowline. Condition = Excellent, no <i>*Cenchrus ciliaris</i> present. Veg = <i>Corymbia hamersleyana</i> , <i>Acacia bivenosa</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Carissa lanceolata</i> , <i>Rhynchosia minima</i> , <i>Triodia epactia</i> , <i>Sporobolus australasicus</i> , <i>Afrohybanthus aurantiacus</i> , <i>Chrysopogon fallax</i> , <i>Themeda triandra</i> , <i>Triodia longiceps</i> and <i>Triodia wiseana</i> |
| 8/05/2021 | 554 | 319395 | 7607720 | <i>Triodia wiseana</i> on dolomite, chert and dolerite outcrops covered by dolerite rocks |
| 8/05/2021 | 555 | 319470 | 7607691 | Change from 554 on the other side of minor drainage line to <i>Triodia epactia</i> on red siltstone/chert/shale |
| 8/05/2021 | 556 | 319504 | 7607686 | Change from 555 to <i>Triodia wiseana</i> with scattered <i>Acacia inaequilatera</i> and <i>Corymbia hamersleyana</i> |
| 8/05/2021 | 557 | 319621 | 7607659 | Same as 556 |
| 8/05/2021 | 558 | 319672 | 7607649 | Change from 557 to <i>Acacia inaequilatera</i> over <i>Triodia epactia</i> on dolerite |
| 8/05/2021 | 559 | 319748 | 7607629 | Dolerite hilltop. Veg = <i>Acacia inaequilatera</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Triodia epactia</i> and <i>Triodia brizoides</i> with some <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Polycarpaea holtzei</i> |
| 8/05/2021 | 560 | 319801 | 7607637 | Same as 559 but moving downslope |
| 8/05/2021 | 561 | 319944 | 7607638 | Change from 560 to WJ035 |
| 8/05/2021 | 562 | 320212 | 7607675 | Large pool with some <i>Schoenoplectus subulatus</i> and <i>Typha domingensis</i> |
| 8/05/2021 | 564 | 319868 | 7607874 | Boundary between <i>Triodia epactia</i> dominated veg on dolerite and rocky dolerite site with Malvaceae spp. over <i>Triodia brizoides</i> |
| 8/05/2021 | 565 | 319664 | 7607971 | Change from 564 to <i>Triodia wiseana</i> on dolomite |
| 8/05/2021 | 566 | 319619 | 7607968 | Small creekline with <i>Corymbia hamersleyana</i> over <i>Grevillea wickhamii</i> , <i>Acacia pyrifolia</i> and <i>Petalostylis labicheoides</i> over <i>*Cenchrus ciliaris</i> , <i>Triodia wiseana</i> and <i>Paraneurachne muelleri</i> |
| 8/05/2021 | 567 | 319584 | 7607974 | Change from 565 to dolerite with <i>Triodia epactia</i> |
| 8/05/2021 | 571 | 319253 | 7607751 | Change from floodplain with <i>*Cenchrus ciliaris</i> and scattered trees to WJ038 |
| 8/05/2021 | 637 | 319102 | 7608294 | Possibly historical discharge/dewatering location (seems somewhat unnatural). Veg = <i>Petalostylis labicheoides</i> , <i>Corymbia candida</i> subsp. <i>dipsodes</i> , <i>Corymbia hamersleyana</i> , <i>Corchorus sidoides</i> subsp. <i>sidoides</i> , <i>Ptilotus exaltatus</i> , <i>Triodia longiceps</i> and <i>Triodia wiseana</i> |

| Date | Location Reference | Easting | Northing | Comment |
|-----------|--------------------|---------|----------|---|
| 8/05/2021 | 640 | 318891 | 7608846 | Located 53 m SE of PQ 183 (PQ 183 = within recently cleared exploration pad). Soil = Brown clay loam, Stones (surface) = dolerite and quartz. Fire = >10 yrs, Condition = Good, Disturbance = mining/mechanical disturbance to the N, SW and W. Veg = <i>Triodia longiceps</i> over small herbs and shrubs: <i>Cynodon prostratus</i> , <i>Trianthema triquetrum</i> , <i>Sporobolus australasicus</i> , <i>Sclerolaena densiflora</i> , <i>Eriachne pulchella</i> subsp. <i>dominii</i> , <i>Sclerolaena ?gardneri</i> |
| 9/05/2021 | 579 | 313667 | 7613682 | Shallow chert over dolomite. Mosaic of dolerite and dolomite veg types. <i>Triodia scintillans</i> dominant; extends to WJ040 |
| 9/05/2021 | 582 | 313934 | 7613858 | Recently burnt <i>Acacia arida</i> over <i>Triodia wiseana</i> with <i>Tribulus minutus</i> (P1) and <i>Corchorus</i> aff. <i>incanus</i> |
| 9/05/2021 | 584 | 313928 | 7613981 | PQ 89 = WJ040 |
| 9/05/2021 | 586 | 313752 | 7613783 | <i>Triodia wiseana</i> on colluvial substrate, dolomite to the E and chert to the W |
| 9/05/2021 | 587 | 313589 | 7613871 | = WJ042 |
| 9/05/2021 | 588 | 313654 | 7613813 | = WJ042 |
| 9/05/2021 | 590 | 313298 | 7614066 | same as 584, very gentle slope with exposed solid dolomite and pockets of sandy clay loam. <i>Acacia arida</i> over <i>Triodia wiseana</i> . <i>Corchorus</i> aff. <i>incanus</i> scattered across the landscape with <i>Portulaca decipiens</i> and <i>Tribulus minutus</i> |
| 9/05/2021 | 596 | 315023 | 7612087 | Floodplain, red-brown sandy clay loam. Veg = <i>Atalaya hemiglauc</i> , <i>Acacia trachycarpa</i> over * <i>Cenchrus ciliaris</i> with some <i>Acacia pyrifolia</i> |
| 9/05/2021 | 597 | 315046 | 7612117 | Dolomite slope above floodplain. Veg = <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> , <i>Heliotropium</i> aff. <i>argyreum</i> and <i>Corchorus</i> sp. |
| 9/05/2021 | 598 | 315173 | 7612172 | Edge of dolomite plateau above large gully. Same as 597 with some <i>Ficus brachypoda</i> |
| 9/05/2021 | 644 | 313075 | 7611906 | From this point to track (toward east) = burnt within the last 2 yrs (similar veg to WE0025 - but more weed infested; * <i>Cenchrus ciliaris</i> and * <i>Aerva javanica</i>) |
| 9/05/2021 | 647 | 313153 | 7612291 | Veg = same as WEREV004 but with more <i>Arivela viscosa</i> , more <i>Sporobolus australasicus</i> , higher <i>Acacia synchronicia</i> cover, no <i>Acacia inaequilatera</i> and occasional <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Triodia epactia</i> |
| 9/05/2021 | | 311970 | 7618164 | PQ 40 = WK059. Transition to <i>Triodia epactia</i> to the W |
| 9/05/2021 | 714 | 313150 | 7617428 | Veg = WK052 with <i>Corymbia candida</i> subsp. <i>dipsodes</i> dominant in rocky parts of the creek and <i>Corymbia hamersleyana</i> on the plain-like areas of the creek |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 9/05/2021 | 715 | 313847 | 7616659 | PQ 053: <i>Grevillea wickhamii</i> (1 %), <i>Acacia monticola</i> (12 %), <i>Acacia ancistrocarpa</i> (5 %), <i>Indigofera monophylla</i> , <i>Triodia epactia</i> (20 %), <i>Paraneurachne muelleri</i> (10 %), <i>Eriachne mucronata</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Goodenia stobbsiana</i> with <i>Tephrosia rosea</i> , <i>Ptilotus astrolasius</i> , <i>Dampiera candidans</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> , <i>Trigastrotheca molluginea</i> , <i>Sida arenicola</i> , <i>Corymbia hamersleyana</i> and <i>Sporobolus australasicus</i> |
| 9/05/2021 | 1822 | 312142 | 7616015 | * <i>Cenchrus ciliaris</i> plain. Condition = Degraded. Veg = * <i>Cenchrus ciliaris</i> , <i>Triodia epactia</i> , <i>Corymbia hamersleyana</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia pyrifolia</i> , <i>Indigofera monophylla</i> , * <i>Aerva javanica</i> , <i>Ptilotus axillaris</i> , <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666), <i>Goodenia microptera</i> and <i>Afrohybanthus aurantiacus</i> |
| 9/05/2021 | 1823 | 312187 | 7616091 | Sandy loam flowline. Condition = Degraded; burnt, cattle disturbance and weeds. Veg = * <i>Cenchrus ciliaris</i> (more than 50 %), <i>Acacia trachycarpa</i> , <i>Corymbia hamersleyana</i> , <i>Corymbia candida</i> subsp. <i>dipsodes</i> , <i>Petalostylis labicheoides</i> and <i>Goodenia stobbsiana</i> |
| 9/05/2021 | 1824 | 312232 | 7616134 | Habitat change |
| 9/05/2021 | 1825 | 312254 | 7616179 | Veg = WC45 with decreased diversity and isolated <i>Corymbia hamersleyana</i> |
| 9/05/2021 | 1830 | 312630 | 7616134 | Veg = WC047R |
| 10/05/2021 | 599 | 315330 | 7612247 | <i>Grevillea wickhamii</i> , <i>Acacia arida</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> |
| 10/05/2021 | 606 | 315367 | 7612267 | Change from WJ044 to WJ045 |
| 10/05/2021 | 608 | 315103 | 7612246 | Edge of plateau, solid dolomite cliffs and outcrops. <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> over <i>Corchorus</i> aff. <i>incanus</i> , <i>Triumfetta propinqua</i> over <i>Triodia wiseana</i> with some <i>Acacia pyrifolia</i> on cliff edges |
| 10/05/2021 | 609 | 314994 | 7612285 | Rocky dolomite creek. Veg = <i>Eucalyptus victrix</i> over <i>Atalaya hemiglauca</i> and <i>Acacia coriacea</i> subsp. <i>pendens</i> over <i>Eriachne tenuiculmis</i> |
| 10/05/2021 | 612 | 314836 | 7612083 | Change from WJ047 to WJ048 |
| 10/05/2021 | 615 | 313208 | 7612908 | Stony plain with <i>Triodia longiceps</i> and some <i>Triodia wiseana</i> , <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Heliotropium crispatum</i> , <i>Ptilotus exaltatus</i> , <i>Ptilotus axillaris</i> and <i>Pluchea dentex</i> |
| 10/05/2021 | 616 | 313012 | 7612914 | Minor creek, rocky but not incised; brown loam/clay loam. Veg = <i>Eucalyptus victrix</i> , <i>Melaleuca glomerata</i> , <i>Petalostylis labicheoides</i> , <i>Acacia pyrifolia</i> over <i>Triodia longiceps</i> and herbs with <i>Abutilon</i> aff. <i>hannii</i> |
| 10/05/2021 | 617 | 312901 | 7612950 | Open patch of pale brown clay loam with surface gravel, mainly bare ground with <i>Sporobolus australasicus</i> and scattered <i>Triodia longiceps</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 10/05/2021 | 618 | 312807 | 7612961 | Loamy patch with <i>Atalaya hemiglauca</i> , <i>Acacia bivenosa</i> , <i>Pluchea ferdinandi-muelleri</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Triodia longiceps</i> , <i>Hibiscus sturtii</i> , <i>Heliotropium crispatum</i> , <i>Stemodia grossa</i> and <i>Trianthema cusackianum</i> |
| 10/05/2021 | 619 | 312749 | 7612971 | Same as 618 |
| 10/05/2021 | 654 | 315551 | 7613489 | Major creekline boarded by chert/dolomite slopes (semi-gorge habitat). Fire = >10 yrs. Soil = brown sandy clay loam with river stones. Veg = <i>Corymbia hamersleyana</i> and <i>Acacia acradenia</i> over <i>Capparis spinosa</i> subsp. <i>nummularia</i> over <i>Petalostylis labicheoides</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> over <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and * <i>Cenchrus ciliaris</i> |
| 10/05/2021 | 656 | 316537 | 7612081 | At PQ 113 = mining disturbance, area has been ripped and is weed infested. Condition = Poor. Veg = * <i>Aerva javanica</i> (dominant), <i>Heliotropium crispatum</i> , <i>Corchorus</i> aff. <i>incanus</i> , <i>Rhynchosia minima</i> , <i>Abutilon lepidum</i> , <i>Tribulus hirsutus</i> , <i>Triodia wiseana</i> , * <i>Cenchrus ciliaris</i> , <i>Ptilotus axillaris</i> , <i>Arivela viscosa</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> |
| 10/05/2021 | | 311927 | 7618020 | PQ 41: <i>Acacia synchronicia</i> 10-30 % * <i>Cenchrus ciliaris</i> 30-70% Condition = Good - Degraded, cattle disturbance |
| 10/05/2021 | 736 | 312181 | 7617526 | PQ 42 = WK052 <i>Corymbia hamersleyana</i> (10 %) and * <i>Cenchrus ciliaris</i> (80 %) Condition = Good |
| 11/05/2021 | 622 | 312543 | 7612887 | Change from WJ048 to <i>Triodia angusta</i> and <i>Triodia epactia</i> plain |
| 11/05/2021 | 626 | 313181 | 7612928 | Wide creek with deep sediment. Veg = <i>Petalostylis labicheoides</i> over <i>Triodia angusta</i> , herbs and grasses; <i>Abutilon</i> aff <i>hannii</i> present |
| 11/05/2021 | 627 | 313241 | 7612960 | Chert ridge over dolomite |
| 11/05/2021 | 1865 | 314555 | 7609981 | Minor creek. Condition = Degraded. Veg = <i>Corymbia hamersleyana</i> over * <i>Cenchrus ciliaris</i> , <i>Atalaya hemiglauca</i> , <i>Petalostylis labicheoides</i> , <i>Triodia longiceps</i> , <i>Senna notabilis</i> , <i>Heliotropium crispatum</i> , * <i>Aerva javanica</i> , <i>Acacia trachycarpa</i> , <i>Acacia pyrifolia</i> and <i>Arivela viscosa</i> |
| 11/05/2021 | 1873 | 314932 | 7609281 | <i>Typha domingensis</i> , <i>Stemodia grossa</i> , <i>Triodia longiceps</i> , <i>Corymbia candida</i> subsp. <i>dipsodes</i> , <i>Corymbia hamersleyana</i> , * <i>Cenchrus ciliaris</i> and * <i>Aerva javanica</i> |
| 12/05/2021 | 632 | 314421 | 7610872 | Same as WJ040, chert over dolomite |
| 12/05/2021 | 633 | 314408 | 7610812 | Transition to dolomite from WJ051R, mainly <i>Triodia epactia</i> with <i>Corchorus</i> sp. |
| 12/05/2021 | 634 | 314387 | 7610795 | Dolomite hill with small bits of chert/silica. Veg = <i>Triodia wiseana</i> and <i>Triodia epactia</i> |
| 12/05/2021 | 635 | 314219 | 7610839 | Change from 634 to WJ052 |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 12/05/2021 | 636 | 314115 | 7610878 | Flowline/minor creek, brown clay loam with narrow floodplain. Veg = <i>Corymbia hamersleyana</i> over <i>Petalostylis labicheoides</i> , <i>Acacia pyrifolia</i> over <i>Triodia angusta</i> and * <i>Cenchrus ciliaris</i> |
| 12/05/2021 | 638 | 314005 | 7610903 | Same as WJ049 - <i>Triodia angusta</i> on pale brown clay loam |
| 12/05/2021 | 639 | 313949 | 7610909 | Low calcrete rise of brown clay loam. Veg = <i>Triodia longiceps</i> and <i>Triodia wiseana</i> , <i>Heliotropium chrysocarpum</i> and <i>Pluchea tetranthera</i> |
| 12/05/2021 | 640 | 313857 | 7610871 | Low-lying flat with <i>Triodia angusta</i> with scattered tall <i>Corymbia hamersleyana</i> |
| 12/05/2021 | 641 | 313783 | 7610765 | Flat with <i>Triodia angusta</i> and <i>Heliotropium chrysocarpum</i> |
| 12/05/2021 | 642 | 313632 | 7610747 | Low lying flat with <i>Triodia longiceps</i> , * <i>Cenchrus ciliaris</i> , <i>Trianthema triquetrum</i> , <i>Sporobolus australasicus</i> , <i>Boerhavia</i> spp. and <i>Cynanchum viminale</i> subsp. <i>australe</i> |
| 12/05/2021 | 643 | 313663 | 7610700 | Same as WJ052 |
| 12/05/2021 | 644 | 313603 | 7610674 | Stony calcrete plain with <i>Triodia longiceps</i> , mix of WJ052 and 642 |
| 12/05/2021 | 645 | 313767 | 7610702 | Stony plain/flat with <i>Triodia angusta</i> , same as WJ049 |
| 12/05/2021 | 646 | 313843 | 7610764 | Stockpile of dirt |
| 12/05/2021 | 647 | 313911 | 7610741 | Unburnt patch, low rise. Veg = <i>Acacia bivenosa</i> and <i>Acacia robeorum</i> over <i>Triodia angusta</i> , <i>Triodia longiceps</i> and <i>Triodia wiseana</i> |
| 12/05/2021 | 648 | 314005 | 7611983 | Same as WJ051R |
| 12/05/2021 | 650 | 313889 | 7611972 | Change from WJ053 to 651 |
| 12/05/2021 | 651 | 313878 | 7611943 | Gentle slope with <i>Triodia wiseana</i> , scattered <i>Acacia inaequilatera</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> , currently with lots of <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Indigofera monophylla</i> |
| 12/05/2021 | 652 | 313781 | 7611949 | Flat dolomite outcrop with <i>Triodia wiseana</i> |
| 12/05/2021 | 653 | 313630 | 7611950 | Same as WJ048 |
| 12/05/2021 | 654 | 313533 | 7611949 | Same as WJ049 with scattered <i>Acacia synchronicia</i> |
| 12/05/2021 | 655 | 313391 | 7611942 | <i>Acacia synchronicia</i> over <i>Triodia angusta</i> some * <i>Cenchrus ciliaris</i> , <i>Trianthema</i> , <i>Sporobolus</i> and <i>Sclerolaena</i> |
| 12/05/2021 | 656 | 313270 | 7611948 | Change from 655 to 657 |
| 12/05/2021 | 657 | 313246 | 7611951 | <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> on red-brown clay loam with * <i>Cenchrus ciliaris</i> , <i>Boerhavia</i> , <i>Sporobolus</i> and <i>Heliotropium</i> |
| 12/05/2021 | 658 | 312994 | 7611954 | Same as 657 |
| 12/05/2021 | 659 | 313152 | 7611850 | Same as 657 with <i>Triodia epactia</i> and <i>Eriachne eriopoda</i> |
| 12/05/2021 | 660 | 313265 | 7611851 | <i>Acacia synchronicia</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> and <i>Acacia trachycarpa</i> over <i>Triodia wiseana</i> and <i>Triodia angusta</i> , * <i>Cenchrus ciliaris</i> , <i>Pluchea tetranthera</i> , <i>Carissa lanceolata</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> |
| 12/05/2021 | 661 | 313382 | 7611852 | Same as 660 with <i>Triodia longiceps</i> and <i>Triodia epactia</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 12/05/2021 | 662 | 313476 | 7611844 | * <i>Cenchrus ciliaris</i> , <i>Sporobolus</i> , <i>Corymbia hamersleyana</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Triodia longiceps</i> |
| 12/05/2021 | 663 | 313531 | 7611840 | Change from 662 to 664 |
| 12/05/2021 | 664 | 313564 | 7611840 | <i>Triodia longiceps</i> , extending east |
| 12/05/2021 | 665 | 313673 | 7611860 | Same as WJ052 |
| 12/05/2021 | 666 | 313742 | 7611855 | WJ052 with <i>Triodia wiseana</i> instead of <i>Triodia longiceps</i> |
| 12/05/2021 | 668 | 313659 | 7611749 | Change from <i>Triodia wiseana</i> on stony plain to <i>Triodia longiceps</i> and * <i>Cenchrus ciliaris</i> |
| 12/05/2021 | 669 | 313522 | 7611751 | * <i>Cenchrus ciliaris</i> over <i>Boerhavia</i> spp. and <i>Trianthema</i> spp. |
| 12/05/2021 | 670 | 313442 | 7611745 | <i>Triodia longiceps</i> and <i>Triodia wiseana</i> to the SW |
| 12/05/2021 | 671 | 313384 | 7611752 | <i>Triodia longiceps</i> and <i>Triodia epactia</i> with * <i>Cenchrus ciliaris</i> boundary to the NNE |
| 12/05/2021 | 672 | 313237 | 7611742 | <i>Triodia epactia</i> to the north, * <i>Cenchrus ciliaris</i> to the south |
| 12/05/2021 | 673 | 313162 | 7611747 | <i>Triodia epactia</i> with <i>Acacia synchronicia</i> to the east, * <i>Cenchrus ciliaris</i> and <i>Triodia epactia</i> to the west |
| 12/05/2021 | 674 | 313282 | 7611696 | Boundary between <i>Triodia epactia</i> and <i>Triodia wiseana</i> dominated vegetation with * <i>Cenchrus ciliaris</i> and <i>Acacia synchronicia</i> |
| 12/05/2021 | 675 | 313664 | 7611650 | <i>Acacia synchronicia</i> over <i>Triodia wiseana</i> , <i>Triodia longiceps</i> and * <i>Cenchrus ciliaris</i> everywhere |
| 12/05/2021 | 676 | 313616 | 7611548 | Same as 675 |
| 12/05/2021 | 677 | 313788 | 7611467 | Same as 675 without <i>Triodia longiceps</i> |
| 12/05/2021 | 678 | 313912 | 7611645 | Same as WJ052 |
| 12/05/2021 | 669 | 318561 | 7610990 | Veg = <i>Acacia inaequilatera</i> over <i>Triodia wiseana</i> . Other species = <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Bulbostylis barbata</i> , <i>Eriachne pulchella</i> subsp. <i>dominii</i> , <i>Polycarpha holtzei</i> |
| 12/05/2021 | | 318775 | 7607926 | PQ 181. Condition = Poor, heavy cattle disturbance. Veg = <i>Corymbia hamersleyana</i> (5 m, 1 %), <i>Carissa lanceolata</i> (2.5 m, 3 %), <i>Acacia coriacea</i> subsp. <i>pendens</i> (5 m, 3 %), * <i>Cenchrus ciliaris</i> (0.7 m, 30 %), <i>Acacia pyrifolia</i> var. <i>morrisonii</i> , <i>Acacia ancistrocarpa</i> , <i>Triodia epactia</i> , <i>Triodia longiceps</i> |
| 12/05/2021 | 1882 | 317663 | 7612078 | Major creek, sandy, Veg = <i>Eucalyptus victrix</i> , * <i>Cenchrus ciliaris</i> , low herbs, weeds |
| 13/05/2021 | 708 | 318914 | 7609905 | <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i> with <i>Triodia longiceps</i> on the lower slopes |
| 13/05/2021 | 709 | 319065 | 7609907 | Minor creek with <i>Corymbia hamersleyana</i> and <i>Acacia coleii</i> var. <i>colei</i> , <i>Petalostylis labicheoides</i> , <i>Carissa lanceolata</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> |
| 13/05/2021 | 710 | 319145 | 7609906 | Change from 708 to 711 |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 13/05/2021 | 711 | 319180 | 7609896 | Same/similar to WJ008. Dolerite with <i>Senna glutinosa</i> s. lat. and <i>Acacia inaequilatera</i> over <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Indigofera monophylla</i> over <i>Triodia scintillans</i> and <i>Triodia brizoides</i> |
| 13/05/2021 | 712 | 319224 | 7609795 | Change from 711 to <i>Senna symonii</i> and <i>Senna glutinosa</i> s. lat. over <i>Aristida holathera</i> var. <i>holathera</i> and <i>Ptilotus clementii</i> |
| 13/05/2021 | 713 | 319184 | 7609798 | Below ridge, mid slope, narrow band of siltstone outcropping and stones. Veg = <i>Senna symonii</i> over <i>Triodia brizoides</i> , <i>Ptilotus clementii</i> , <i>Ptilotus exaltatus</i> and <i>Lepidium amelum</i> (P1) |
| 13/05/2021 | 714 | 319186 | 7609791 | Below ridge, mid slope, narrow band of siltstone outcropping and stones. Veg = <i>Senna symonii</i> over <i>Triodia brizoides</i> , <i>Ptilotus clementii</i> , <i>Ptilotus exaltatus</i> and <i>Lepidium amelum</i> (P1) |
| 13/05/2021 | 715 | 319191 | 7609778 | Below ridge, mid slope, narrow band of siltstone outcropping and stones. Veg = <i>Senna symonii</i> over <i>Triodia brizoides</i> , <i>Ptilotus clementii</i> , <i>Ptilotus exaltatus</i> and <i>Lepidium amelum</i> (P1) |
| 13/05/2021 | 716 | 319195 | 7609787 | Below ridge, mid slope, narrow band of siltstone outcropping and stones. Veg = <i>Senna symonii</i> over <i>Triodia brizoides</i> , <i>Ptilotus clementii</i> , <i>Ptilotus exaltatus</i> and <i>Lepidium amelum</i> (P1) |
| 13/05/2021 | 717 | 319192 | 7609801 | Below ridge, mid slope, narrow band of siltstone outcropping and stones. Veg = <i>Senna symonii</i> over <i>Triodia brizoides</i> , <i>Ptilotus clementii</i> , <i>Ptilotus exaltatus</i> and <i>Lepidium amelum</i> (P1) |
| 13/05/2021 | 718 | 319190 | 7609810 | Below ridge, mid slope, narrow band of siltstone outcropping and stones. Veg = <i>Senna symonii</i> over <i>Triodia brizoides</i> , <i>Ptilotus clementii</i> , <i>Ptilotus exaltatus</i> and <i>Lepidium amelum</i> (P1) |
| 13/05/2021 | 719 | 319187 | 7609808 | Below ridge, mid slope, narrow band of siltstone outcropping and stones. Veg = <i>Senna symonii</i> over <i>Triodia brizoides</i> , <i>Ptilotus clementii</i> , <i>Ptilotus exaltatus</i> and <i>Lepidium amelum</i> (P1) |
| 13/05/2021 | 721 | 319153 | 7609792 | Similar to WJ033R - <i>Triodia wiseana</i> and <i>Triodia longiceps</i> with scattered <i>Senna symonii</i> |
| 13/05/2021 | 722 | 319132 | 7609799 | Change to 708 veg |
| 13/05/2021 | 723 | 319089 | 7609702 | Small dolerite outcrop. Veg = <i>Triodia wiseana</i> and <i>Triodia scintillans</i> with <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> |
| 13/05/2021 | 724 | 319124 | 7609708 | Same as 723 |
| 13/05/2021 | 726 | 319172 | 7609710 | Same as 713 |
| 13/05/2021 | 727 | 319215 | 7609723 | Same as 714 |
| 13/05/2021 | 728 | 319228 | 7609725 | Same as 715 |
| 13/05/2021 | 729 | 319229 | 7609709 | Same as 716 |
| 13/05/2021 | 730 | 319250 | 7609725 | Siltstone ridge above <i>Lepidium amelum</i> (P1) population |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 13/05/2021 | 731 | 319265 | 7609706 | Change from 730/726 to 711 |
| 13/05/2021 | 732 | 319528 | 7609593 | Same as 711 with <i>Triodia epactia</i> , <i>Gossypium australe</i> , <i>Acacia arida</i> |
| 13/05/2021 | 733 | 319300 | 7609603 | Change from 711 to 734 |
| 13/05/2021 | 734 | 319264 | 7609596 | <i>Triodia wiseana</i> on chert/siltstone/dolomite with scattered <i>Senna symonii</i> |
| 13/05/2021 | 735 | 319179 | 7609603 | Minor creek with stony/gravelly sediment. Veg = <i>Petalostylis labicheoides</i> and <i>Grevillea wickhamii</i> over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> |
| 13/05/2021 | 736 | 319158 | 7609597 | Same as WJ033R |
| 13/05/2021 | 737 | 319280 | 7609473 | Creek in sedimentary rocks. Veg = <i>Corymbia hamersleyana</i> and <i>Atalaya hemiglauca</i> over <i>Petalostylis labicheoides</i> , <i>Gossypium australe</i> , <i>Santalum lanceolatum</i> , <i>Carissa lanceolata</i> and <i>Grevillea wickhamii</i> over <i>Triodia longiceps</i> and * <i>Cenchrus ciliaris</i> |
| 13/05/2021 | 738 | 319556 | 7609391 | Colluvial plain with <i>Triodia wiseana</i> and <i>Triodia epactia</i> |
| 13/05/2021 | 739 | 319507 | 7609402 | Back to 711 veg with <i>Triodia epactia</i> dominant on lower slope |
| 13/05/2021 | 740 | 319401 | 7609397 | Change from <i>Triodia epactia</i> on dolerite to typical 711 (WJ008) with <i>Triodia brizoides</i> |
| 13/05/2021 | 741 | 319332 | 7609401 | <i>Triodia epactia</i> on dolerite crest, similar to WJ033R |
| 13/05/2021 | 742 | 319304 | 7609398 | West facing slope with <i>Triodia wiseana</i> |
| 13/05/2021 | 743 | 319172 | 7609397 | <i>Triodia longiceps</i> and <i>Triodia wiseana</i> on stony slope |
| 13/05/2021 | 744 | 319101 | 7609452 | Creek line, approx. 10-15 m wide. Veg = <i>Atalaya hemiglauca</i> and <i>Corymbia hamersleyana</i> over <i>Carissa lanceolata</i> and * <i>Cenchrus ciliaris</i> |
| 13/05/2021 | 745 | 319068 | 7609457 | Large * <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> patch |
| 13/05/2021 | 746 | 319381 | 7609299 | Ridge boundary between 742 and 740 |
| 13/05/2021 | 747 | 319330 | 7609199 | Minor creek with <i>Petalostylis labicheoides</i> |
| 13/05/2021 | 748 | 319214 | 7609202 | Creek with <i>Petalostylis labicheoides</i> and <i>Grevillea wickhamii</i> |
| 13/05/2021 | 749 | 319156 | 7609242 | Drainage area, <i>Petalostylis labicheoides</i> over <i>Triodia longiceps</i> |
| 13/05/2021 | 750 | 319321 | 7609101 | Band of mixed geology running NNW to SSE on crest, <i>Triodia scintillans</i> and <i>Triodia wiseana</i> mix |
| 13/05/2021 | 751 | 319378 | 7609098 | <i>Triodia wiseana</i> on siltstone/chert stony slope |
| 13/05/2021 | 752 | 319301 | 7609030 | Manganese ore crest. <i>Senna glutinosa</i> s. lat. over <i>Senna sericea</i> , <i>Senna symonii</i> , <i>Sida echinocarpa</i> , <i>Ptilotus clementii</i> and <i>Ptilotus exaltatus</i> over <i>Triodia brizoides</i> |
| 13/05/2021 | 758 | 319301 | 7608834 | <i>Acacia roborum</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> on colluvial plain |
| 13/05/2021 | 759 | 319303 | 7608773 | <i>Senna symonii</i> over <i>Triodia scintillans</i> |
| 13/05/2021 | 760 | 319307 | 7608698 | Mosaic of 758 and 759 SE of WP |
| 13/05/2021 | 761 | 319335 | 7608621 | <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Senna sericea</i> over <i>Triodia scintillans</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 13/05/2021 | 762 | 319300 | 7608603 | Change from 761 to 758 |
| 13/05/2021 | 763 | 319303 | 7608530 | Change from 758 to 764 |
| 13/05/2021 | 764 | 319294 | 7608464 | <i>Acacia robeorum</i> over <i>Triodia scintillans</i> and <i>Triodia longiceps</i> on manganese ore rocky/stony low rise |
| 13/05/2021 | 765 | 319278 | 7608394 | <i>Triodia longiceps</i> on manganese ore stony plain |
| 13/05/2021 | 766 | 319204 | 7608542 | Small drainage/flow area. Veg = <i>Petalostylis labicheoides</i> , <i>Acacia robeorum</i> over <i>Acacia ptychophylla</i> over <i>Triodia epactia</i> and <i>Triodia longiceps</i> , <i>Paraneurachne muelleri</i> |
| 13/05/2021 | 767 | 319203 | 7608642 | <i>Triodia longiceps</i> plain |
| 13/05/2021 | 768 | 319200 | 7608747 | Brown sandy clay loam flowline. Veg = <i>Petalostylis labicheoides</i> over <i>Senna symonii</i> , <i>Indigofera monophylla</i> , <i>Corchorus sidoides</i> subsp. <i>sidoides</i> , <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Afrohybanthus aurantiacus</i> and <i>Triodia longiceps</i> |
| 13/05/2021 | 769 | 319190 | 7608896 | Low rise with <i>Cynodon prostratus</i> and <i>Triodia longiceps</i> |
| 13/05/2021 | 770 | 319274 | 7609046 | <i>Triodia brizoides</i> (upper to mid slope) |
| 13/05/2021 | 771 | 319230 | 7609054 | <i>Triodia epactia</i> (mid to lower slope) |
| 13/05/2021 | 772 | 319203 | 7609066 | <i>Triodia longiceps</i> (lower and plains) |
| 13/05/2021 | 773 | 319097 | 7608726 | <i>Petalostylis labicheoides</i> over <i>Triodia longiceps</i> and <i>Chrysopogon fallax</i> |
| 13/05/2021 | 774 | 319097 | 7608381 | <i>Petalostylis labicheoides</i> over <i>Triodia epactia</i> , <i>Chrysopogon fallax</i> , <i>Triodia longiceps</i> , <i>Corchorus sidoides</i> subsp. <i>sidoides</i> and <i>Trigastrotheca molluginea</i> on red-brown sandy clay loam |
| 13/05/2021 | 775 | 319100 | 7608243 | Same as 774 with <i>Corymbia candida</i> subsp. <i>dipsodes</i> |
| 13/05/2021 | 776 | 319005 | 7608262 | Same as WJ039 |
| 13/05/2021 | 777 | 319013 | 7608393 | <i>Triodia longiceps</i> and <i>Acacia robeorum</i> on red-clay loam |
| 13/05/2021 | 778 | 318900 | 7608505 | <i>Triodia longiceps</i> on red-brown sandy clay loam |
| 13/05/2021 | 779 | 318901 | 7608443 | <i>Triodia epactia</i> flowline |
| 13/05/2021 | 780 | 318902 | 7608372 | <i>Triodia longiceps</i> on brown clay-loam |
| 13/05/2021 | 781 | 318903 | 7608304 | Laterised ironstone hill: N slope with <i>Triodia longiceps</i> |
| 13/05/2021 | 782 | 318896 | 7608257 | Laterised ironstone hill: crest with <i>Triodia scintillans</i> |
| 13/05/2021 | 783 | 318903 | 7608221 | Laterised ironstone hill: S slope with <i>Triodia longiceps</i> |
| 13/05/2021 | 784 | 318898 | 7608184 | <i>Triodia scintillans</i> dominant south from WP |
| 13/05/2021 | 785 | 318850 | 7608184 | <i>Senna symonii</i> over <i>Triodia longiceps</i> and <i>Triodia epactia</i> with <i>Eriachne mucronata</i> on lateritic ironstone hill |
| 13/05/2021 | 786 | 318801 | 7608377 | Ironstone gravel, mosaic of <i>Triodia longiceps</i> with some <i>Triodia scintillans</i> and <i>Triodia wiseana</i> |
| 13/05/2021 | 787 | 318801 | 7608483 | Low rise with <i>Triodia scintillans</i> |
| 13/05/2021 | 794 | 317860 | 7608330 | Veg = <i>Triodia longiceps</i> (25 %), <i>Acacia bivenosa</i> (0.35 %), <i>Acacia robeorum</i> (1 %), <i>Sporobolus australasicus</i> (5 %), <i>Senna glutinosa</i> subsp. <i>x luerssenii</i> (0.2 %). Soil = brown sandy clay loam |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 13/05/2021 | | 316889 | 7611195 | At PQ 167. Condition = Good (creek). <i>Corymbia hamersleyana</i> (2%), * <i>Cenchrus ciliaris</i> (25%), <i>Petalostylis labicheoides</i> , <i>Grevillea wickhamii</i> , <i>Triodia longiceps</i> , <i>Triodia epactia</i> |
| 13/05/2021 | 1905 | 316790 | 7608235 | Minor gully, dolerite and sand. Condition = Good, burnt over 10 years ago. Veg = <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Atalaya hemiglauca</i> , <i>Triodia scintillans</i> , <i>Grevillea wickhamii</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Senna symonii</i> , <i>Bonamia pilbarensis</i> , * <i>Cenchrus ciliaris</i> and * <i>Aerva javanica</i> |
| 13/05/2021 | 1906 | 316872 | 7607799 | Floodplain/banks. Condition = Degraded. Veg = <i>Corymbia hamersleyana</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> and * <i>Cenchrus ciliaris</i> |
| 13/05/2021 | 1908 | 317316 | 7608110 | Minor creekline. Condition = Degraded. Veg = <i>Corymbia hamersleyana</i> , <i>Carissa lanceolata</i> , <i>Atalaya hemiglauca</i> and * <i>Cenchrus ciliaris</i> (dominant) |
| 20/05/2021 | 788 | 317513 | 7613875 | Change from WJ054 to <i>Triodia wiseana</i> and <i>Triodia longiceps</i> on eroding sandstone slope |
| 20/05/2021 | 789 | 317482 | 7613926 | <i>Acacia robeorum</i> and <i>Senna symonii</i> over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> in minor drainage line |
| 20/05/2021 | 790 | 317473 | 7614031 | Same as 789. <i>Acacia robeorum</i> , <i>Acacia bivenosa</i> , <i>Senna symonii</i> , <i>Senna sericea</i> , <i>Senna glutinosa</i> subsp. <i>pruinosa</i> over <i>Triodia wiseana</i> and <i>Triodia longiceps</i> on rocky lower slope and into adjacent drainage line |
| 20/05/2021 | 791 | 317342 | 7614096 | Change from 790 to 792 |
| 20/05/2021 | 792 | 317314 | 7614100 | <i>Triodia scintillans</i> on silica/chert slopes with <i>Dampiera candicans</i> , <i>Grevillea wickhamii</i> , <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> |
| 20/05/2021 | 794 | 317126 | 7614133 | Rocky/stony creekline. Veg = <i>Acacia acradenia</i> , <i>Acacia monticola</i> , <i>Acacia bivenosa</i> , <i>Grevillea wickhamii</i> , <i>Gossypium australe</i> over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> with some <i>Paraneurachne muelleri</i> and <i>Cymbopogon ambiguus</i> |
| 21/05/2021 | 684 | 315963 | 7619669 | Minor flow line. Veg = <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Grevillea wickhamii</i> , <i>Indigofera monophylla</i> , <i>Ptilotus astrolasius</i> , <i>Acacia bivenosa</i> , <i>Waltheria virgata</i> , <i>Heliotropium</i> aff. <i>argyreum</i> , <i>Polymeria mollis</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Afrohybanthus aurantiacus</i> , <i>Triodia wiseana</i> , <i>Triodia scintillans</i> , <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543), <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Corymbia hamersleyana</i> , <i>Chrysopogon fallax</i> and <i>Corchorus</i> aff. <i>incanus</i> |
| 21/05/2021 | 689 | 316207 | 7619415 | Change of substrate to dolomite ridge with <i>Corchorus</i> aff. <i>incanus</i> all over the dolomite |
| 21/05/2021 | | 317170 | 7620018 | PQ 30 = WD023 but with more <i>Triodia longiceps</i> and scattered <i>Petalostylis labicheoides</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 21/05/2021 | | 316951 | 7620353 | PQ 29 = WD023 with <i>Acacia inaequilatera</i> |
| 21/05/2021 | 796 | 316968 | 7617283 | <i>Acacia inaequilatera</i> over <i>Triodia wiseana</i> on dolomite slope |
| 21/05/2021 | 797 | 317010 | 7617298 | <i>Triodia scintillans</i> on siltstone/siliceous rock. Boundary between 796 and 797 is a small creekline with <i>Acacia bivenosa</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> , <i>Gossypium australe</i> and <i>Acacia ptychophylla</i> over <i>Triodia wiseana</i> |
| 21/05/2021 | 804 | 315559 | 7620095 | Largely the same as WJ056 but more rocky hillside with <i>Acacia arida</i> and more herbs present |
| 21/05/2021 | 806 | 315587 | 7620261 | Floodplain, slightly rocky. Veg = <i>Atalaya hemiglauca</i> and <i>Corymbia hamersleyana</i> over <i>Acacia pyrifolia</i> and <i>Acacia trachycarpa</i> over <i>Cenchrus ciliaris</i> and <i>Triodia longiceps</i> |
| 21/05/2021 | 807 | 315597 | 7620335 | Change from 806 to 808 |
| 21/05/2021 | 808 | 315593 | 7620376 | <i>Triodia longiceps</i> on stony chert/quartz plain |
| 21/05/2021 | 809 | 315588 | 7620395 | Change from 808 to 810 |
| 21/05/2021 | 810 | 315594 | 7620412 | <i>Triodia longiceps</i> with <i>Senna symonii</i> and <i>Acacia robeorum</i> on stony chert plain |
| 21/05/2021 | 811 | 315589 | 7620443 | Transition veg, mix of 808 and 810 |
| 21/05/2021 | 812 | 315596 | 7620481 | Change from 811 to 813 |
| 21/05/2021 | 813 | 315591 | 7620500 | <i>Acacia inaequilatera</i> over <i>Triodia scintillans</i> with <i>Goodenia stobbsiana</i> , <i>Dampiera candidans</i> and <i>Senna glutinosa</i> subsp. <i>glutinosa</i> |
| 21/05/2021 | 814 | 315587 | 7620537 | Change from 813 to WJ057 |
| 21/05/2021 | 815 | 315495 | 7620651 | Change from WJ057 to 816 |
| 21/05/2021 | 816 | 315478 | 7620625 | <i>Triodia wiseana</i> on siltstone/chert rocky/stony lower slope |
| 21/05/2021 | 817 | 315448 | 7620581 | Change from 816 to 818 |
| 21/05/2021 | 818 | 315437 | 7620557 | <i>Triodia longiceps</i> and some <i>Triodia wiseana</i> on stony foothill/plain with scattered <i>Senna symonii</i> , <i>Acacia bivenosa</i> and <i>Acacia robeorum</i> |
| 21/05/2021 | 825 | 316583 | 7620565 | Change from WJ060 to 825. Shale/siltstone upper slope. Veg = <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia ptychophylla</i> and <i>Senna glutinosa</i> subsp. <i>glutinosa</i> over <i>Triodia epactia</i> and <i>Triodia scintillans</i> |
| 21/05/2021 | 827 | 316543 | 7620718 | Lower slope; change from WJ061 to 828 |
| 21/05/2021 | 828 | 316476 | 7620796 | Foothills with colluvium (of claystone/siltstone). Veg = <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> |
| 22/05/2021 | | 315603 | 7616242 | PQ 66 = WM023. Substrate = eroding dolomite. Veg = <i>Acacia arida</i> , <i>Corymbia candida</i> subsp. <i>dipsodes</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Grevillea wickhamii</i> , <i>Corchorus</i> aff. <i>incanus</i> and <i>Corymbia hamersleyana</i> over <i>Triodia wiseana</i> , <i>Senna sericea</i> , <i>Solanum horridum</i> , <i>Crotalaria medicaginea</i> var. <i>neglecta</i> and <i>Stackhousia muricata</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 22/05/2021 | 710 | 314707 | 7618468 | PQ 60 = WM023. Substrate = texture of dolomite but lighter (pink) |
| 22/05/2021 | 716 | 314791 | 7618579 | Low point between low dolomite hills, <i>Corchorus</i> aff. <i>incanus</i> present |
| 22/05/2021 | 718 | 315028 | 7618156 | PQ 61 = WM024. Substrate = eroded dolomite (same as WM023). Veg = <i>Acacia bivenosa</i> , <i>Grevillea wickhamii</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Corchorus</i> aff. <i>incanus</i> , <i>Triodia wiseana</i> and <i>Heliotropium</i> aff. <i>argyreum</i> |
| 22/05/2021 | 720 | 315896 | 7617577 | PQ 63 = WM024. Substrate = dolomite outcrop surrounded by eroding dolerite. Veg = <i>Grevillea wickhamii</i> and <i>Corymbia hamersleyana</i> over <i>Triodia wiseana</i> and <i>Corchorus</i> aff. <i>incanus</i> |
| 22/05/2021 | 1219 | 312012 | 7619203 | Sandy broad flowline, recently burnt. Veg = <i>Triodia epactia</i> , <i>Acacia ancistrocarpa</i> , <i>Trianthema pilosum</i> , <i>Eragrostis eriopoda</i> and <i>Chrysopogon fallax</i> |
| 22/05/2021 | | 311880 | 7619799 | PQ 03 = WD029 |
| 22/05/2021 | 1222 | 312087 | 7620340 | Veg = WD026 |
| 22/05/2021 | | 312544 | 7619604 | PQ 07 = WD031 with scattered <i>Corymbia hamersleyana</i> and * <i>Cenchrus ciliaris</i> . Drainage line, condition = Good/Poor |
| 22/05/2021 | 837 | 314191 | 7619709 | Similar to WJ067. Veg = <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Grevillea wickhamii</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> , <i>Heliotropium</i> aff. <i>argyreum</i> and <i>Eragrostis desertorum</i> |
| 22/05/2021 | 838 | 314172 | 7619579 | Same as 837 |
| 23/05/2021 | 738 | 317907 | 7613894 | Veg = WM030 but on a hilltop |
| 23/05/2021 | 1230 | 317973 | 7615456 | PQ 74 = WD033. Veg = <i>Acacia inaequilatera</i> , <i>Triodia epactia</i> , <i>Triodia scintillans</i> and other dolerite community species |
| 23/05/2021 | 840 | 318513 | 7612735 | Flowline area adjacent to WJ070. Veg = <i>Acacia acradenia</i> over <i>Triodia epactia</i> with some <i>Gossypium australe</i> and <i>Grevillea wickhamii</i> |
| 23/05/2021 | 842 | 318658 | 7612644 | Same as WJ070. <i>Acacia inaequilatera</i> over <i>Triodia epactia</i> |
| 23/05/2021 | 843 | 318720 | 7612609 | Moving upslope, change from WJ070 to 844 |
| 23/05/2021 | 844 | 318754 | 7612602 | <i>Acacia inaequilatera</i> over <i>Triodia scintillans</i> and some <i>Triodia epactia</i> |
| 23/05/2021 | 846 | 319017 | 7612328 | Creek. Veg = <i>Eucalyptus victrix</i> over <i>Acacia coriacea</i> subsp. <i>pendens</i> and <i>Acacia trachycarpa</i> over <i>Acacia pyrifolia</i> and <i>Gossypium australe</i> over * <i>Cenchrus ciliaris</i> and <i>Eriachne tenuiculmis</i> |
| 23/05/2021 | 847 | 319048 | 7612239 | PQ 138 = WJ072. Mix between floodplain and low rise resembling WJ071 |
| 23/05/2021 | 848 | 318703 | 7612196 | Dolerite outcrop. Veg = WJ072 |

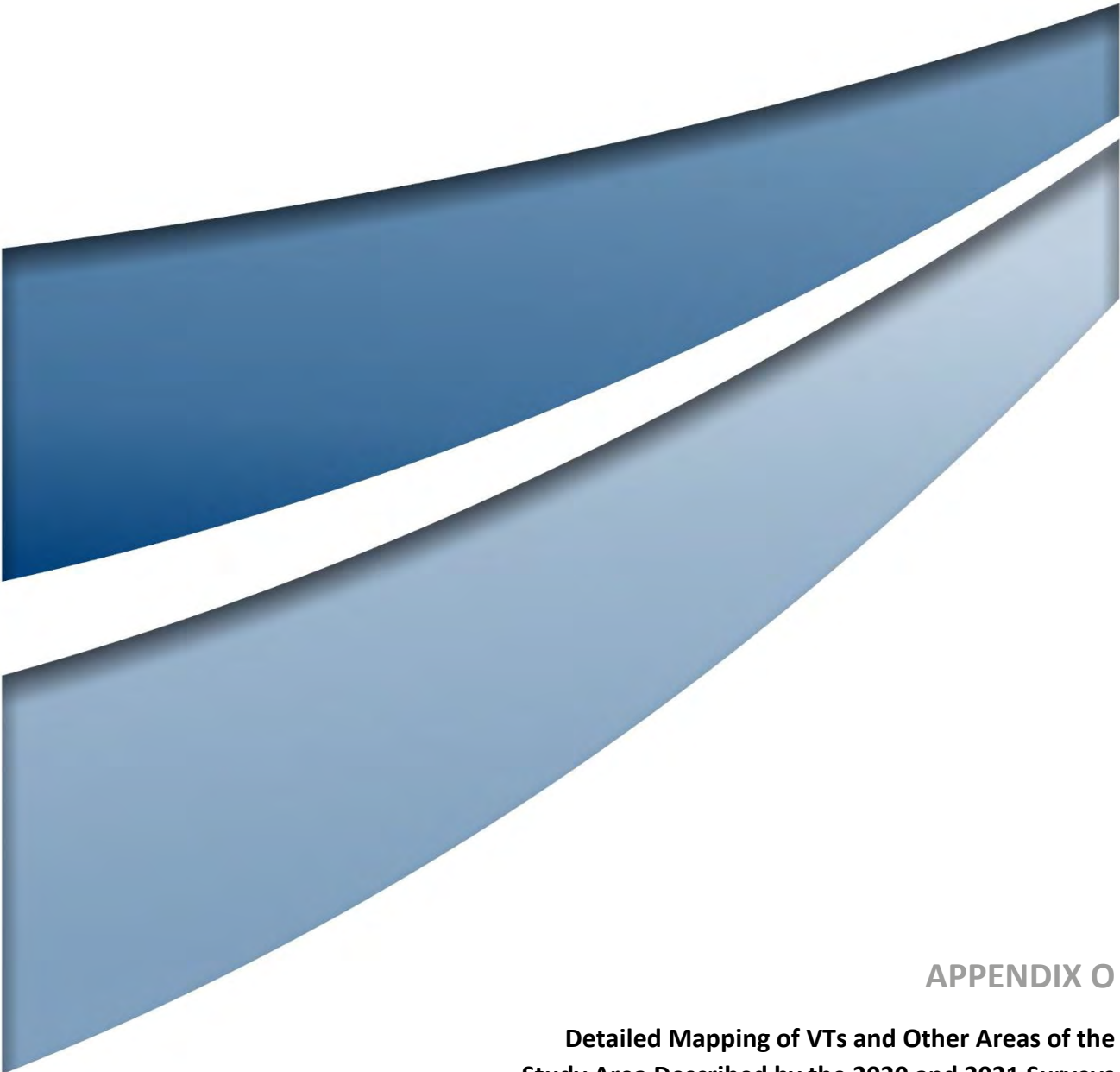
| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 23/05/2021 | 851 | 318401 | 7612234 | <i>Acacia inaequilatera</i> over <i>Triodia scintillans</i> and <i>Triodia epactia</i> on dolerite |
| 23/05/2021 | 854 | 320273 | 7611030 | Small/minor creek |
| 23/05/2021 | 855 | 319904 | 7610930 | <i>Acacia inaequilatera</i> over <i>Triodia scintillans</i> on dolerite. Transition to <i>Triodia wiseana</i> at the bottom of slope with dolomite underneath |
| 24/05/2021 | 756 | 319849 | 7597784 | Dolomite. Veg = <i>Corymbia hamersleyana</i> , <i>Acacia inaequilatera</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Triodia brizoides</i> , <i>Triodia longiceps</i> and <i>Triodia epactia</i> |
| 24/05/2021 | 757 | 319753 | 7597875 | Lower slope between low hills. Substrate = dolerite, quartz and chert. Veg = <i>Grevillea wickhamii</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> |
| 24/05/2021 | 766 | 318377 | 7596158 | At PQ 380. Substrate = eroded dolerite and quartz. Veg = <i>Acacia inaequilatera</i> and <i>Senna artemisioides</i> subsp. <i>x sturtii</i> over <i>Triodia wiseana</i> , <i>Triodia brizoides</i> , <i>Sporobolus australasicus</i> and <i>Bulbostylis barbata</i> . Adjacent drainage line = <i>Acacia ancistrocarpa</i> over <i>Triodia wiseana</i> , <i>Triodia brizoides</i> , <i>Indigofera monophylla</i> , * <i>Cenchrus ciliaris</i> , <i>Chrysopogon fallax</i> and <i>Cymbopogon ambiguus</i> |
| 24/05/2021 | 772 | 313253 | 7593949 | What appears to be an open depression corresponding with clearer pattern on aerial imagery. Red-brown sandy clay loam, no surface stone cover. Veg = <i>Corymbia hamersleyana</i> over <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Acacia ancistrocarpa</i> over <i>Chrysopogon fallax</i> and <i>Bonamia erecta</i> over <i>Sporobolus australasicus</i> and <i>Trigastrotheca molluginea</i> |
| 24/05/2021 | 1238 | 320991 | 7608789 | Minor creekline. Condition = Very Good with some * <i>Cenchrus ciliaris</i> . Veg = WD038 with no <i>Eucalyptus victrix</i> (only to the south of WP), with <i>Cullen leucanthum</i> and <i>Swainsona formosa</i> present |
| 24/05/2021 | 1239 | 320263 | 7600810 | Veg = WDR-01, recently burnt, <i>Triodia brizoides</i> dominant |
| 24/05/2021 | 1242 | 319183 | 7595381 | PQ 373 = WD038 without <i>Acacia ancistrocarpa</i> . Condition = Good |
| 24/05/2021 | 1243 | 319123 | 7595379 | Dolerite hill, over 5 years since fire. Veg = <i>Acacia inaequilatera</i> over <i>Indigofera monophylla</i> over <i>Triodia brizoides</i> and <i>Triodia wiseana</i> |
| 24/05/2021 | 859 | 319606 | 7595955 | Chert upper slope = WJ077. Dolerite lower slope = <i>Acacia inaequilatera</i> over <i>Indigofera monophylla</i> |
| 24/05/2021 | 861 | 319781 | 7595831 | Floodplain, same as edges of WJ078. Substrate = red-brown deep sandy clay loam. Veg = <i>Corymbia hamersleyana</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia trachycarpa</i> and <i>Atalaya hemiglauca</i> over * <i>Cenchrus ciliaris</i> |
| 24/05/2021 | 862 | 319795 | 7595783 | Change from 861 to 863 |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|---|
| 24/05/2021 | 863 | 319815 | 7595748 | <i>Triodia wiseana</i> on colluvial undulating plain with scattered <i>Acacia inaequilatera</i> and <i>Acacia arida</i> on lower slopes |
| 24/05/2021 | 864 | 319818 | 7595693 | Flowline with <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> , <i>Gossypium australe</i> and <i>Acacia arida</i> over * <i>Cenchrus ciliaris</i> |
| 24/05/2021 | 865 | 319818 | 7595638 | Veg = 863, substrate more red dolerite colluvium |
| 24/05/2021 | 866 | 319807 | 7595602 | Same as 864 with <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> and <i>Chrysopogon fallax</i> |
| 24/05/2021 | 867 | 319805 | 7595569 | Same as 863 |
| 24/05/2021 | 870 | 313693 | 7593163 | Small drainage lines adjacent to WJ080. Veg = <i>Acacia tumida</i> var. <i>pilbarensis</i> over <i>Triodia scintillans</i> and <i>Triodia epactia</i> with some <i>Afrohybanthus aurantiacus</i> and <i>Goodenia stobbsiana</i> |
| 24/05/2021 | 872 | 312989 | 7592754 | Similar to WJ081 with <i>Acacia arida</i> and <i>Grevillea wickhamii</i> over <i>Triodia scintillans</i> and some <i>Triodia epactia</i> on lower less rocky slopes. Adjacent drainage lines also have <i>Acacia tumida</i> var. <i>pilbarensis</i> |
| 25/05/2021 | 797 | 312420 | 7612147 | Same as WM051. Flat, light brown sandy clay loam, cattle disturbance and weeds present |
| 25/05/2021 | 780 | 312960 | 7595689 | Low rises, undulating landscape. Substrate = dolerite, quartz and ironstone with red-brown sandy clay loam. Veg = <i>Acacia arida</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> over <i>Triodia scintillans</i> , <i>Goodenia stobbsiana</i> and <i>Triodia scintillans</i> with <i>Bulbostylis barbata</i> , <i>Eriachne pulchella</i> subsp. <i>dominii</i> , <i>Anthobolus leptomerioides</i> and <i>Calytrix carinata</i> |
| 25/05/2021 | 796 | 312060 | 7613200 | Sandplain similar to WM042. Veg = <i>Acacia inaequilatera</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Triodia longiceps</i> and <i>Triodia epactia</i> |
| 25/05/2021 | 874 | 317773 | 7603698 | <i>Acacia bivenosa</i> , <i>Acacia arida</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> over <i>Triodia scintillans</i> and <i>Goodenia stobbsiana</i> |
| 25/05/2021 | 882 | 317241 | 7604226 | <i>Acacia bivenosa</i> , <i>Acacia robeorum</i> with some <i>Acacia ancistrocarpa</i> over <i>Triodia wiseana</i> and some <i>Triodia longiceps</i> |
| 25/05/2021 | 883 | 317194 | 7604865 | <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Senna symonii</i> over <i>Triodia wiseana</i> |
| 25/05/2021 | 884 | 317350 | 7604368 | <i>Acacia ancistrocarpa</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> and <i>Chrysopogon fallax</i> |
| 25/05/2021 | 885 | 317235 | 7604416 | <i>Eucalyptus odontocarpa</i> over <i>Triodia epactia</i> |
| 25/05/2021 | 887 | 317347 | 7605078 | Floodplain with <i>Atalaya hemiglauca</i> , <i>Acacia coriacea</i> subsp. <i>pendens</i> , <i>Acacia trachycarpa</i> and <i>Acacia ancistrocarpa</i> over * <i>Cenchrus ciliaris</i> and <i>Triodia longiceps</i> |
| 25/05/2021 | 888 | 317598 | 7605244 | <i>Corymbia hamersleyana</i> over <i>Acacia coriacea</i> subsp. <i>pendens</i> , <i>Acacia ancistrocarpa</i> and <i>Acacia bivenosa</i> over * <i>Cenchrus ciliaris</i> , <i>Triodia longiceps</i> , <i>Chrysopogon fallax</i> and <i>Cynodon convergens</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 25/05/2021 | 889 | 317689 | 7605196 | <i>Acacia bivenosa</i> and <i>Acacia ancistrocarpa</i> over <i>Triodia scintillans</i> , <i>Paraneurachne muelleri</i> and <i>Paspalidium rarum</i> |
| 25/05/2021 | 890 | 317781 | 7605377 | <i>Acacia robeorum</i> over <i>Senna sericea</i> over <i>Triodia longiceps</i> |
| 25/05/2021 | 891 | 317808 | 7605454 | <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia longiceps</i> |
| 25/05/2021 | 961 | 315699 | 7605231 | Flowline. Veg = <i>Petalostylis labicheoides</i> over <i>Stylobasium spathulatum</i> over <i>Indigofera monophylla</i> over <i>Triodia wiseana</i> , * <i>Cenchrus ciliaris</i> , <i>Heliotropium chrysocarpum</i> and <i>Eragrostis eriopoda</i> |
| 25/05/2021 | 978 | 315570 | 7605234 | Lower slope/plain on dolerite/calcrete. Veg = <i>Triodia wiseana</i> and <i>Triodia scintillans</i> |
| 25/05/2021 | 984 | 315385 | 7604859 | Dolomite hilltop. Veg = <i>Acacia bivenosa</i> , <i>Acacia arida</i> and <i>Acacia ptychophylla</i> over <i>Triodia wiseana</i> , <i>Ptilotus clementii</i> and <i>Heliotropium</i> aff. <i>argyreum</i> |
| 25/05/2021 | 989 | 315397 | 7604640 | Flowline/flat, red-brown sandy clay loam. Veg = <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> and <i>Acacia robeorum</i> over <i>Triodia wiseana</i> , * <i>Cenchrus ciliaris</i> , <i>Eragrostis eriopoda</i> , <i>Sporobolus australasicus</i> , <i>Boerhavia</i> spp. and <i>Heliotropium chrysocarpum</i> |
| 26/05/2021 | 818 | 317064 | 7616262 | Chert and dolerite ridge. Veg = <i>Corymbia hamersleyana</i> , <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Grevillea wickhamii</i> and <i>Acacia bivenosa</i> over <i>Triodia scintillans</i> and <i>Triodia epactia</i> |
| 26/05/2021 | 819 | 317012 | 7616236 | Change to dolomite substrate. Veg = <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Acacia arida</i> and <i>Corchorus</i> aff. <i>incanus</i> over <i>Triodia wiseana</i> |
| 26/05/2021 | 820 | 316964 | 7616218 | PQ 73. Substrate = dolomite ridge, brown clay loam, NE aspect, gently inclined slope. Veg = <i>Grevillea wickhamii</i> and <i>Acacia arida</i> over <i>Triodia wiseana</i> , <i>Corchorus sidoides</i> subsp. <i>sidoides</i> , <i>Corchorus</i> aff. <i>incanus</i> and <i>Heliotropium</i> aff. <i>argyreum</i> |
| 26/05/2021 | 1266 | 316267 | 7598540 | PQ 324 = typical dolomite community with <i>Acacia arida</i> , <i>Corchorus</i> aff. <i>incanus</i> over <i>Triodia wiseana</i> |
| 26/05/2021 | 1268 | 316674 | 7598232 | Area of typical dolomite veg, approx. 150 <i>Corchorus</i> aff. <i>incanus</i> |
| 26/05/2021 | 1269 | 316683 | 7598182 | PQ 328 = WD054 with transition into dolomite veg as at WP 1268 |
| 26/05/2021 | 1019 | 313966 | 7617224 | PQ 49 = WE049 without <i>Acacia inaequilatera</i> and higher cover of <i>Grevillea wickhamii</i> and <i>Acacia hilliana</i> . Substrate = same but higher percentage. Fire = >10 yrs, Condition = Excellent |
| 26/05/2021 | 1073 | 314497 | 7607366 | <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> in creekline |
| 26/05/2021 | 1100 | 314591 | 7606505 | Eroded flowline in dolomite/calcrete; brown clay loam. Veg = <i>Petalostylis labicheoides</i> over <i>Triodia longiceps</i> |

| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 26/05/2021 | 1108 | 314590 | 7606270 | PQ 214. Veg = <i>Petalostylis labicheoides</i> , <i>Grevillea wickhamii</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Acacia arida</i> and <i>Acacia bivenosa</i> over <i>Waltheria virgata</i> over <i>Triodia wiseana</i> and <i>Triodia scintillans</i> with <i>Ptilotus clementii</i> |
| 26/05/2021 | 1117 | 314447 | 7606521 | <i>Acacia robeorum</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> , <i>Triodia scintillans</i> , * <i>Cenchrus ciliaris</i> and <i>Eragrostis eriopoda</i> |
| 26/05/2021 | 1118 | 314453 | 7606575 | Minor flowlines with <i>Petalostylis labicheoides</i> over <i>Chrysopogon fallax</i> and <i>Cynodon convergens</i> |
| 26/05/2021 | 1128 | 314442 | 7607003 | <i>Acacia bivenosa</i> and some <i>Petalostylis labicheoides</i> over <i>Triodia wiseana</i> , <i>Eragrostis eriopoda</i> , <i>Heliotropium chrysocarpum</i> , <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> and <i>Paraneurachne muelleri</i> with some <i>Senna artemisioides</i> subsp. <i>oligophylla</i> |
| 26/05/2021 | 1129 | 314432 | 7607255 | <i>Corymbia hamersleyana</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> over <i>Triodia longiceps</i> and * <i>Cenchrus ciliaris</i> on brown clay loam |
| 27/05/2021 | 829 | 316717 | 7613954 | Dolomite rock faces on both sides of the creek with dolomite ridge extending until WP 830 on both sides on the creek. <i>Corchorus</i> aff. <i>incanus</i> present |
| 27/05/2021 | 1304 | 318689 | 7601451 | PQ 292 = dense shrubland down slope, transition veg between creek and adjacent veg (WD056). Veg = <i>Acacia arida</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i> |
| 27/05/2021 | 1091 | 314656 | 7612789 | Large area (north of Whodowe mine and west of main creekline in the area) recently burnt with many <i>Tribulus minutus</i> (P1) plants |
| 27/05/2021 | 1970 | 314324 | 7613702 | Drainage line (burnt) with <i>Acacia pyrifolia</i> and <i>Stemodia grossa</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> , <i>Triumfetta propinqua</i> , <i>Corchorus</i> aff. <i>incanus</i> , <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> and <i>Triodia wiseana</i> |
| 17/06/2021 | | 314980 | 7588150 | Csp42 proposed location - no <i>Corchorus</i> aff. <i>incanus</i> |
| 17/06/2021 | | 315604 | 7587571 | Csp02 proposed location - no <i>Corchorus</i> aff. <i>incanus</i> |
| 17/06/2021 | 1212 | 315598 | 7587394 | Potential site. <i>Corchorus</i> aff. <i>incanus</i> only - restricted to small drainage line with dolomite outcropping |
| 18/06/2021 | 1327 | 315556 | 7599651 | Dolomite patch - <i>Corchorus</i> aff. <i>incanus</i> habitat - similar density to Csp45 |
| 19/06/2021 | 1346 | 312818 | 7619187 | Change of habitat; <i>Corchorus</i> aff. <i>incanus</i> more sparse. <i>Acacia bivenosa</i> dominant |
| 19/06/2021 | 1351 | 314380 | 7618651 | Eroded dolomite with <i>Acacia bivenosa</i> . <i>Corchorus</i> aff. <i>incanus</i> present but not at high density |
| 19/06/2021 | 1353 | 314501 | 7618055 | <i>Corchorus</i> aff. <i>incanus</i> habitat extends to the SE and SW of waypoint. W moves into chert (not habitat) |
| 19/06/2021 | 1354 | 314386 | 7617656 | Csp33 proposed location - chert geology (<i>Triodia scintillans</i>), dolomite nearby |
| 19/06/2021 | 1356 | 313963 | 7618067 | Csp24 proposed location - not dolomite |
| 19/06/2021 | 1357 | 314417 | 7616757 | Dolomite habitat, <i>Corchorus</i> aff. <i>incanus</i> present |
| 19/06/2021 | 1358 | 314655 | 7616917 | Chert, <i>Triodia scintillans</i> |

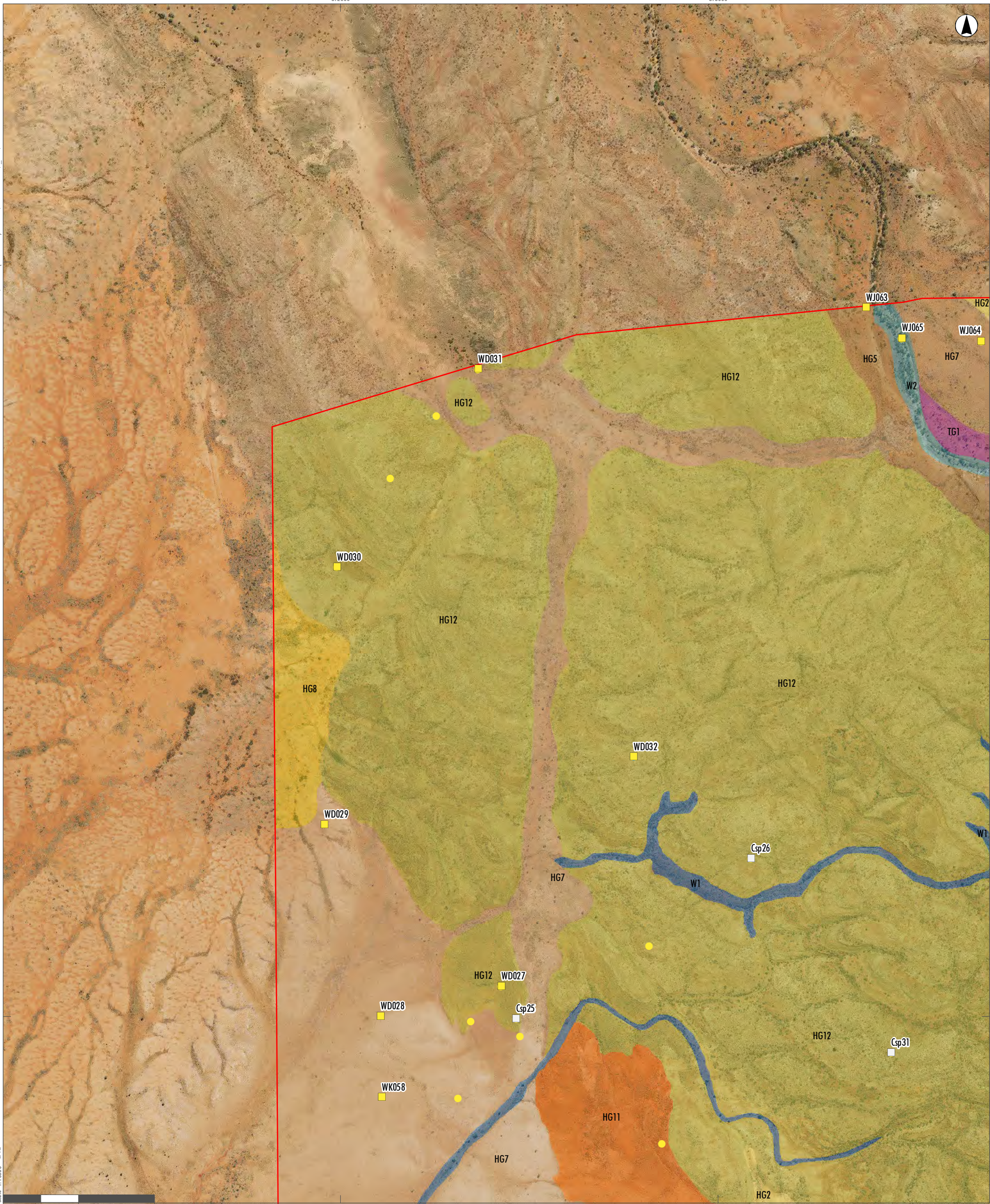
| Date | Location Reference | Easting | Northing | Comment |
|------------|--------------------|---------|----------|--|
| 19/06/2021 | 1359 | 314729 | 7616983 | Dolomite habitat, <i>Corchorus</i> aff. <i>incanus</i> present |
| 19/06/2021 | 1360 | 314846 | 7616987 | Chert, <i>Triodia scintillans</i> |
| 19/06/2021 | 1361 | 315114 | 7617060 | Dolomite habitat, <i>Corchorus</i> aff. <i>incanus</i> present |
| 19/06/2021 | 1364 | 314420 | 7616619 | Csp30 proposed location - chert outcrop, dolomite nearby |



APPENDIX O

**Detailed Mapping of VTs and Other Areas of the
Study Area Described by the 2020 and 2021 Surveys**

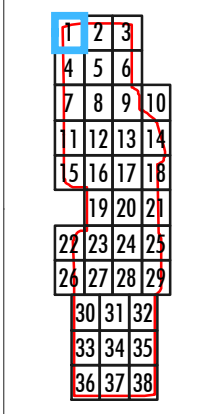
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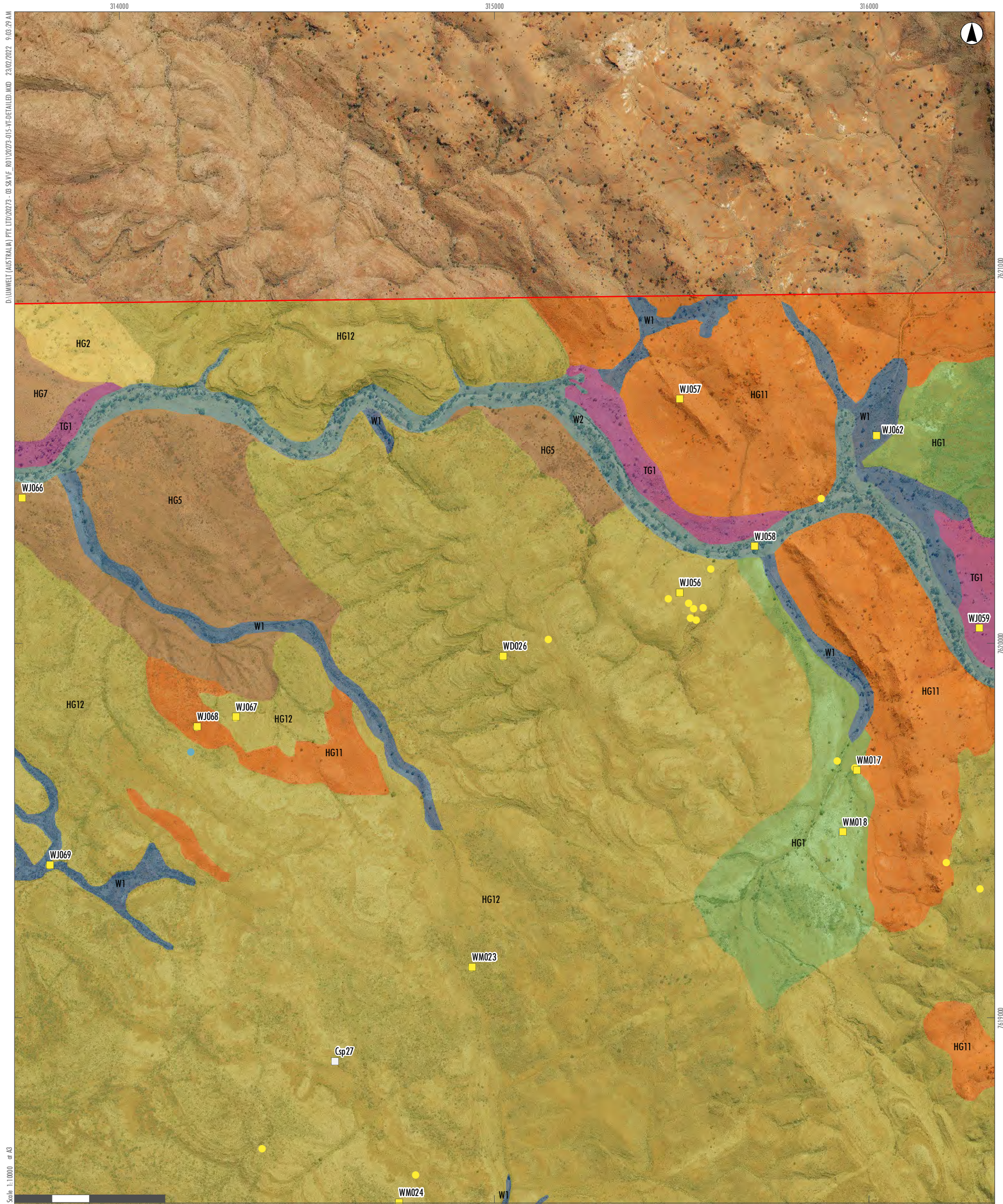
GDA2020 MGA Zone 51

Legend

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|---|---|--|--|
| Study Area | Vegetation Type | HG11 | Significant Flora |
| Quadrat (2021) | HG2 | HG12 | ● <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) |
| Population Density Quadrats (2021) | HG5 | TG1 | ● <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) |
| | HG7 | W1 | ▲ <i>Tribulus minutus</i> (P1) |
| | HG8 | W2 | |



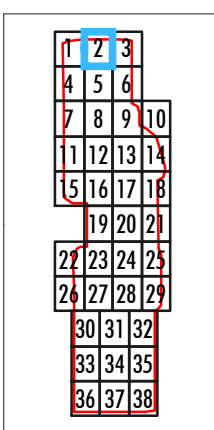
APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 1



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- Legend**
- Study Area
 - Sample Sites**
 - Quadrat (2021)
 - Population Density Quadrats (2021)
 - Vegetation Type**
 - HG1
 - HG2
 - HG5
 - HG7
 - HG11
 - HG12
 - TG1
 - W1
 - W2
 - Significant Flora**
 - *Corchorus* aff. *incanus* (potentially undescribed)
 - *Heliotropium* aff. *argyreum* (potentially undescribed)
 - ▲ *Tribulus minutus* (P1)



APPENDIX 0
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 2



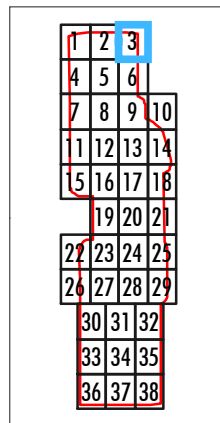
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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Quadrat (2021)
 - Population Density Quadrats (2021)
 - Vegetation Type**
 - HG1
 - HG10
 - HG11
 - HG12
 - TG1
 - W1
 - W2
 - Significant Flora**
 - Corchorus* aff. *incanus* (potentially undescribed)
 - Heliotropium* aff. *argyreum* (potentially undescribed)



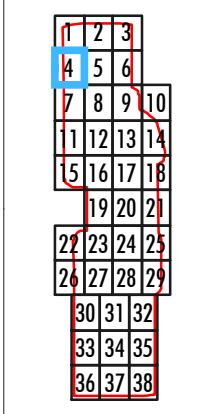
APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 3

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- Legend**
- Study Area
 - Development Envelope
 - Sample Sites**
 - Quadrat (2021)
 - Relevé (2021)
- Vegetation Type**
- HG8
 - HG2
 - HG5
 - HG7
 - HG11
 - HG12
 - W1
- Other Areas**
- Cleared Land
- Significant Flora**
- Cochlosia* aff. *incanus* (potentially undescribed)
 - Heliotropium* aff. *argyreum* (potentially undescribed)
 - ▲ *Tribulus minutus* (P1)



APPENDIX 0
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 4



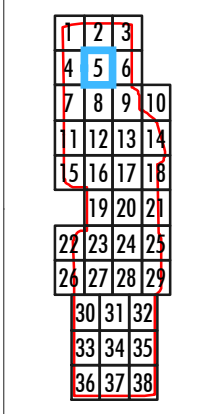
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GDA2020 MGA Zone 51

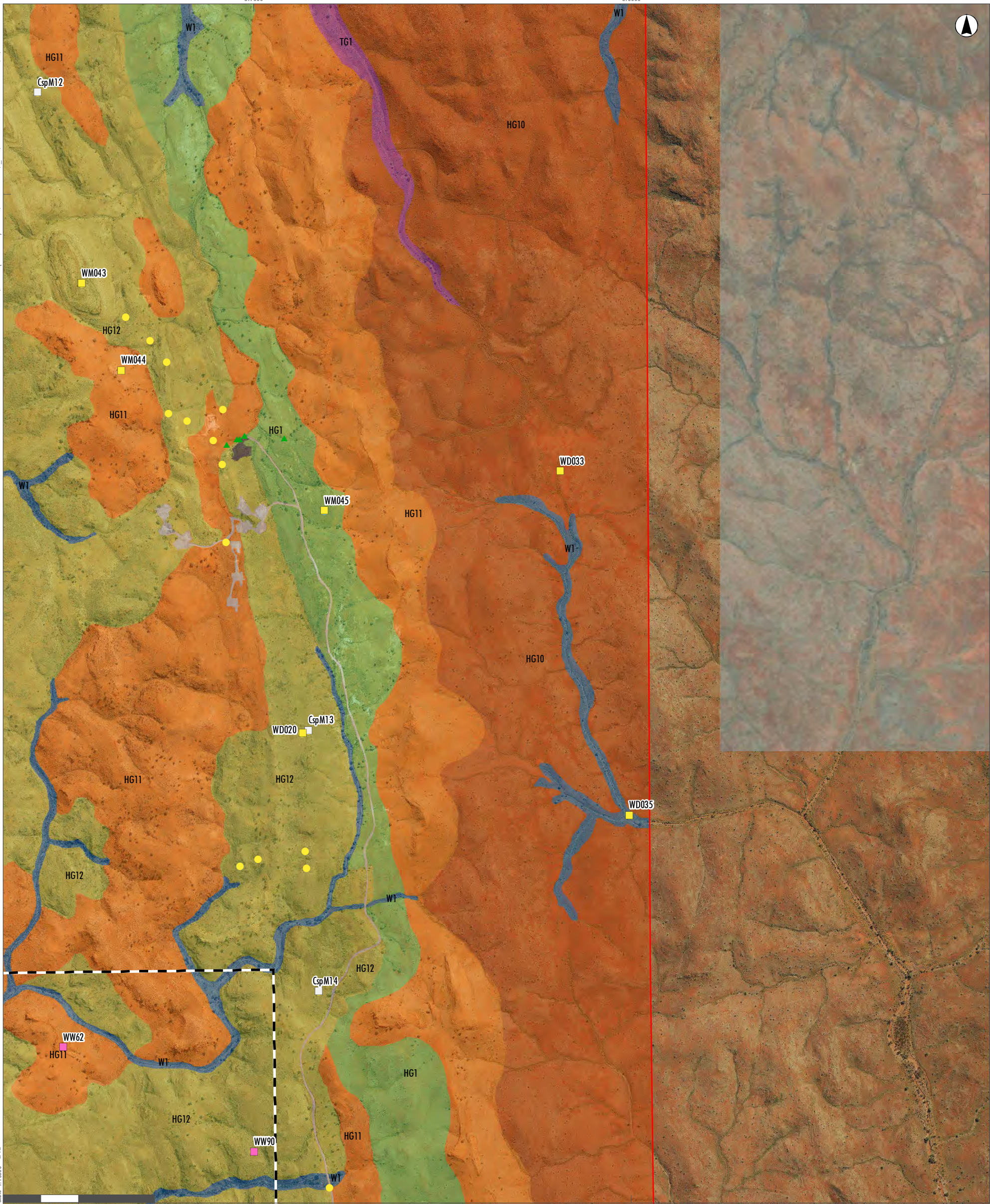
Legend

- Study Area
 - Development Envelope
 - Sample Sites**
 - Quadrat (2020)
 - Relevé (2020)
 - Quadrat (2021)
 - Population Density Quadrats (2021)
-
- Vegetation Type**
 - HG1
 - HG2
 - HG5
 - HG7
 - HG11
 - HG12
 - W1
 - Other Areas**
 - Cleared Land
-
- Significant Flora**
 - *Cordouan* aff. *incanus* (potentially undescribed)
 - *Heliotropium* aff. *argyreum* (potentially undescribed)
 - ▲ *Tribulus minutus* (P1)



APPENDIX 0
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 5

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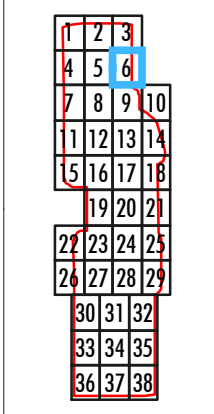
Legend

- Study Area
- Development Envelope
- Sample Sites**
- Quadrat (2020)
- Quadrat (2021)
- Population Density Quadrats (2021)

- Vegetation Type**
- HG1
- HG11
- HG12
- TG1
- W1

- Other Areas**
- Rehabilitated Land
- Cleared Land

- Significant Flora**
- *Cochlosia* aff. *incanus* (potentially undescribed)
- *Heliotropium* aff. *argyreum* (potentially undescribed)
- ▲ *Lepidium amelum* (P1)



APPENDIX 0

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

Sheet 6

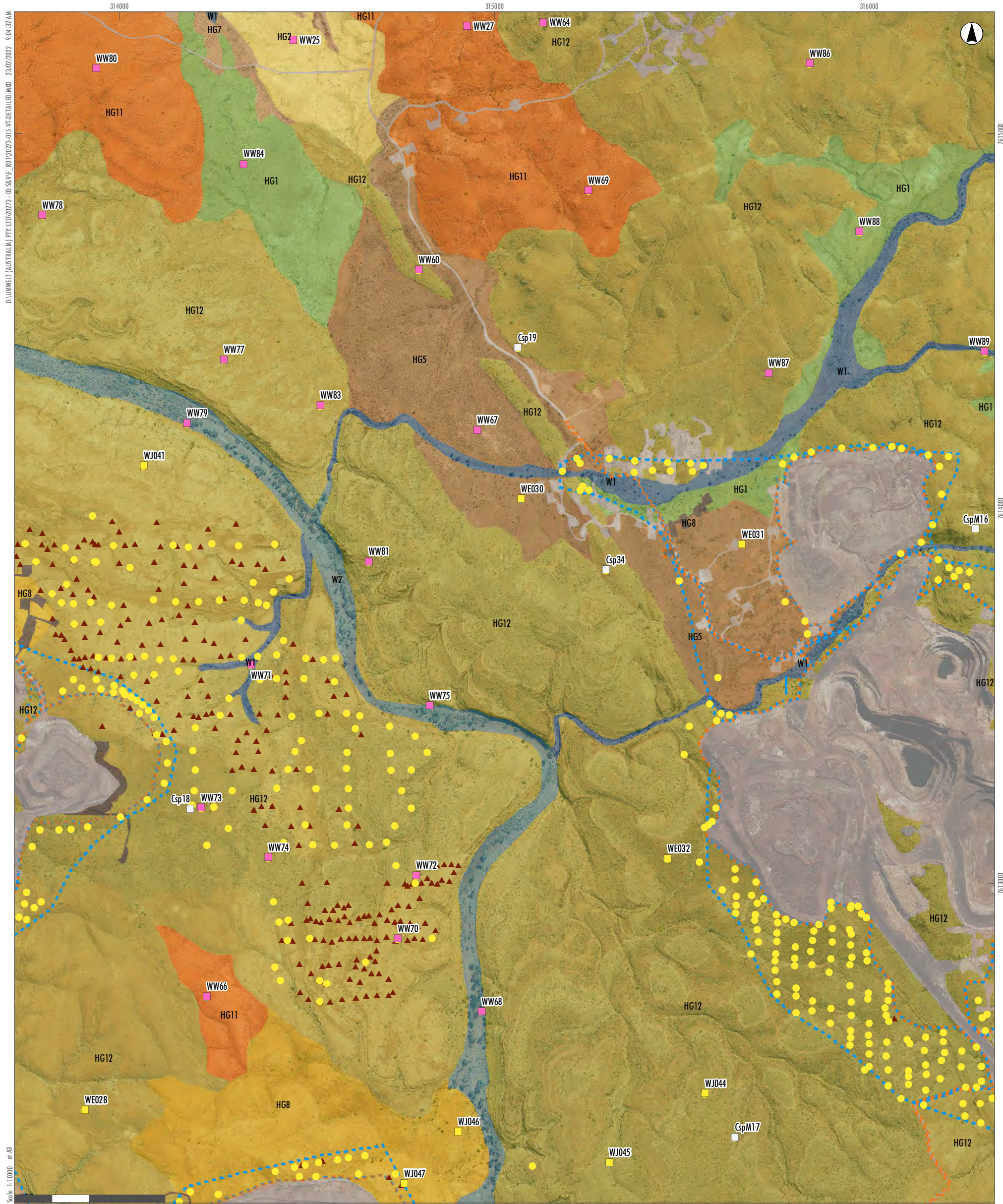


- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2021)
- Vegetation Type**
- HG4
 - HG7
 - HG8
 - HG11
 - HG12
- Other Areas**
- Rehabilitated Land
 - Cleared Land

- Significant Flora**
- Corchorus* aff. *incanus* (potentially undescribed)
 - Heliotropium* aff. *argyreum* (potentially undescribed)
 - Stylidium weeliwilli* (P3)
 - Tribulus minutus* (P1)

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| 33 | 34 | 35 |
| 36 | 37 | 38 |

APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 7



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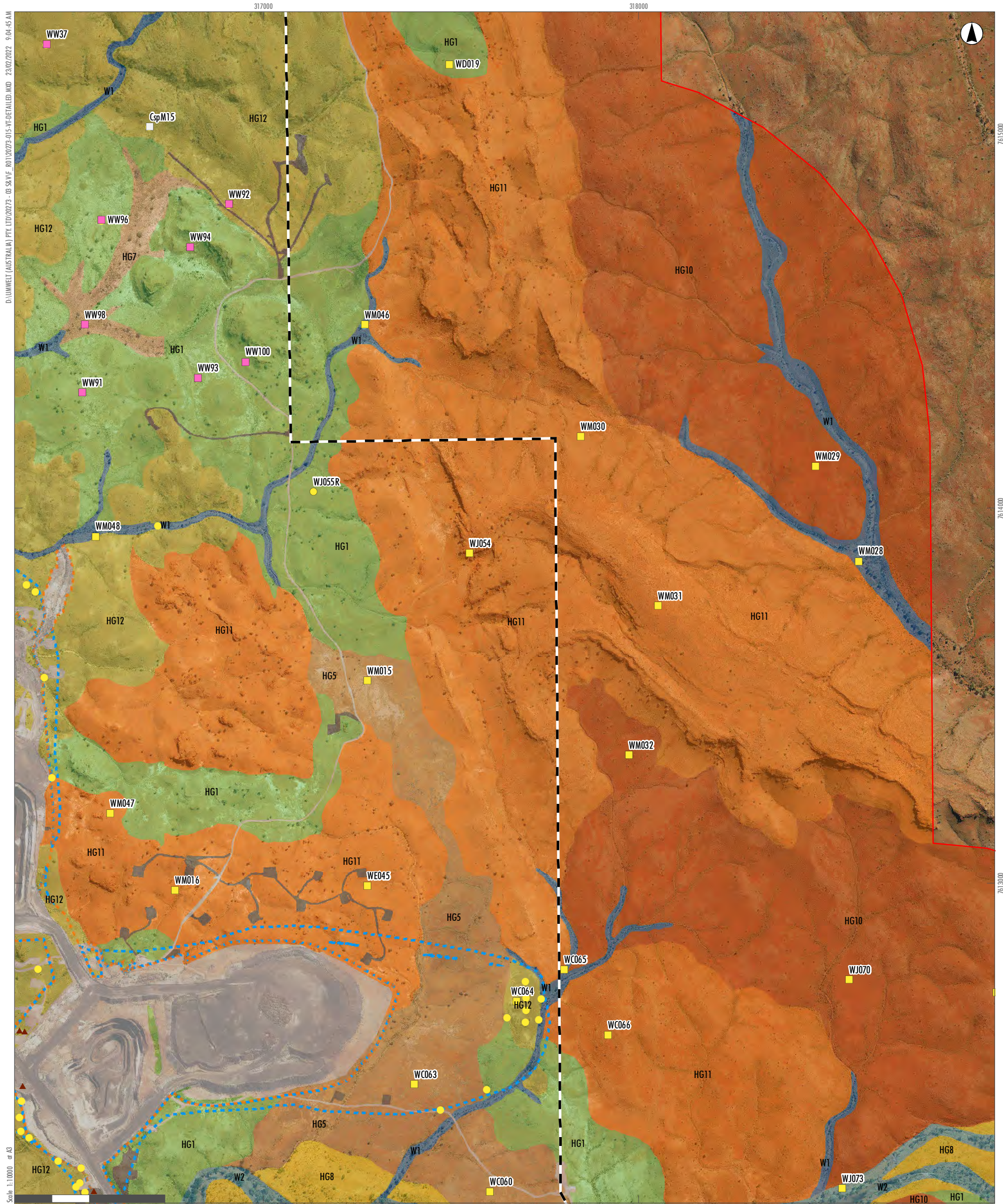
Legend

- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Sample Sites**
 - Quadrat (2020)
 - Quadrat (2021)
 - Population Density Quadrats (2021)
- Vegetation Type**
 - HG8
 - HG11
 - HG1
 - HG2
 - HG5
 - HG7
 - W1
 - W2
 - Other Areas**
 - Rehabilitated Land
 - Cleared Land

- Significant Flora**
- *Cochlosia* aff. *incanus* (potentially undescribed)
- *Heliotropium* aff. *argyreum* (potentially undescribed)
- ▲ *Tribulus minutus* (P1)

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APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 8



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Legend

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|-------------------------------------|----------------------|--------------------------------|--|
| Study Area | Vegetation Type HG1 | Vegetation Type HG10 | Significant Flora <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) <i>Heliotropium</i> aff. <i>angyream</i> (potentially undescribed) <i>Tribulus minutus</i> (P1) |
| Development Envelope | Vegetation Type HG11 | Vegetation Type HG11 | |
| Existing Approved Project Footprint | Vegetation Type HG5 | Vegetation Type HG12 | |
| Proposed Indicative Footprint | Water Feature W1 | Water Feature W2 | |
| Sample Sites | | | |
| Quadrat (2020) | Vegetation Type HG7 | Other Areas Rehabilitated Land | |
| Quadrat (2021) | Vegetation Type HG8 | Other Areas Cleared Land | |
| Relevé (2021) | | | |
| Population Density Quadrats (2021) | | | |

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APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

Sheet 9

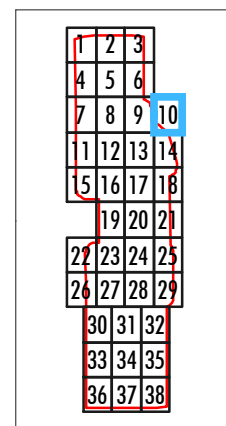


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GDA2020 MGA Zone 51

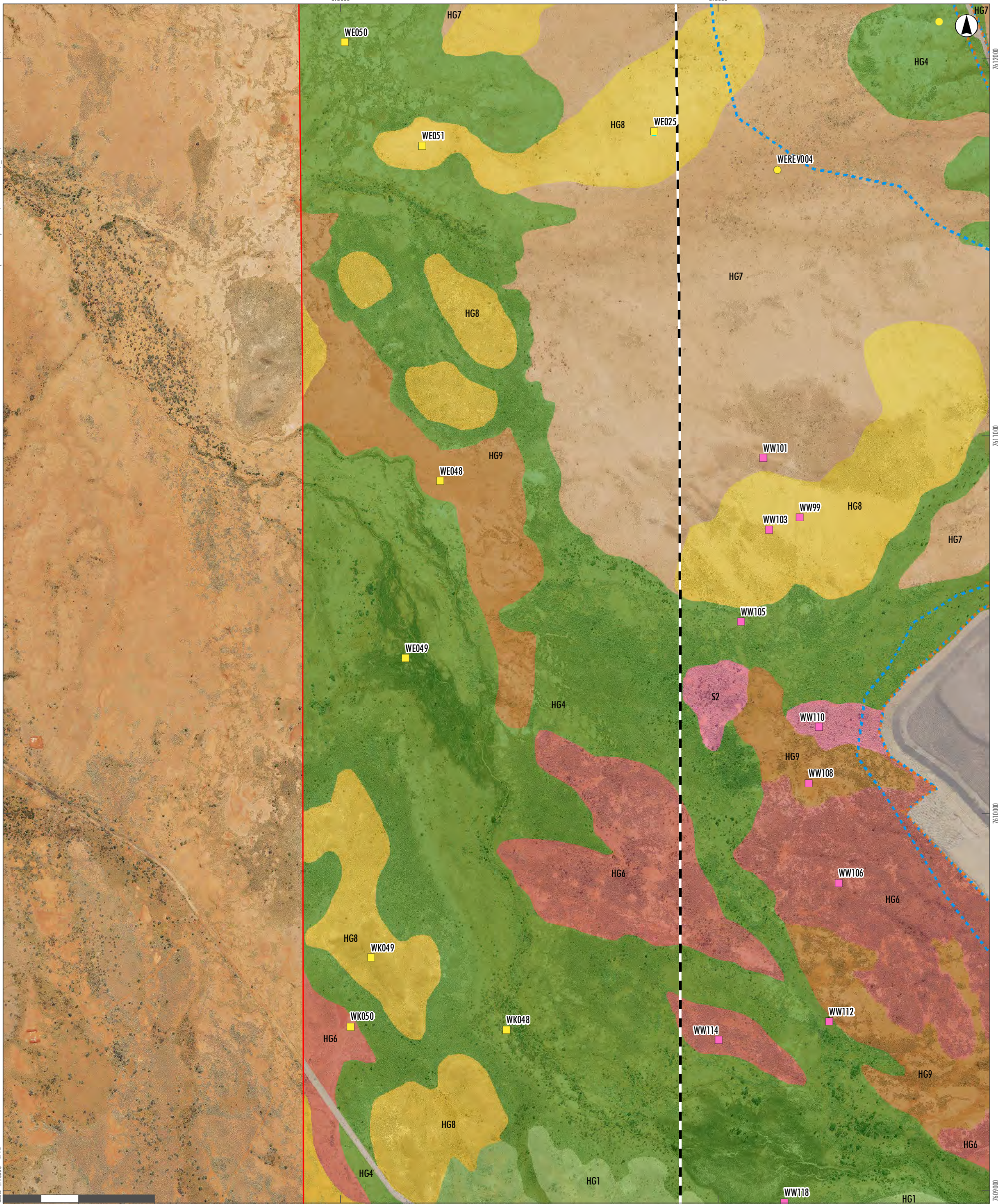
- Legend**
- Study Area
 - Sample Sites
 - Quadrat (2021)
 - Vegetation Type**
 - HG8
 - W2
 - HG10



APPENDIX O
 Detailed Mapping of VTs and Other
 Areas of the Study Area Described
 by the 2020 and 2021 Surveys
Sheet 10

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- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
- Vegetation Type**
- HG1
 - HG4
 - HG6
 - HG7
 - HG8
 - HG9
 - S2
- Other Areas**
- Cleared Land
- Sample Sites**
- Quadrat (2020)
 - Quadrat (2021)
 - Relevé (2021)
- Significant Flora**
- Cordarus* aff. *incanus* (potentially undescribed)
 - Heliotropium* aff. *angyream* (potentially undescribed)
 - Kohautia australiensis* (P2)
 - Tribulus minutus* (P1)

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| 31 | 32 | 33 |
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| 37 | 38 | |

APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 11



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GDA2020 MGA Zone 51

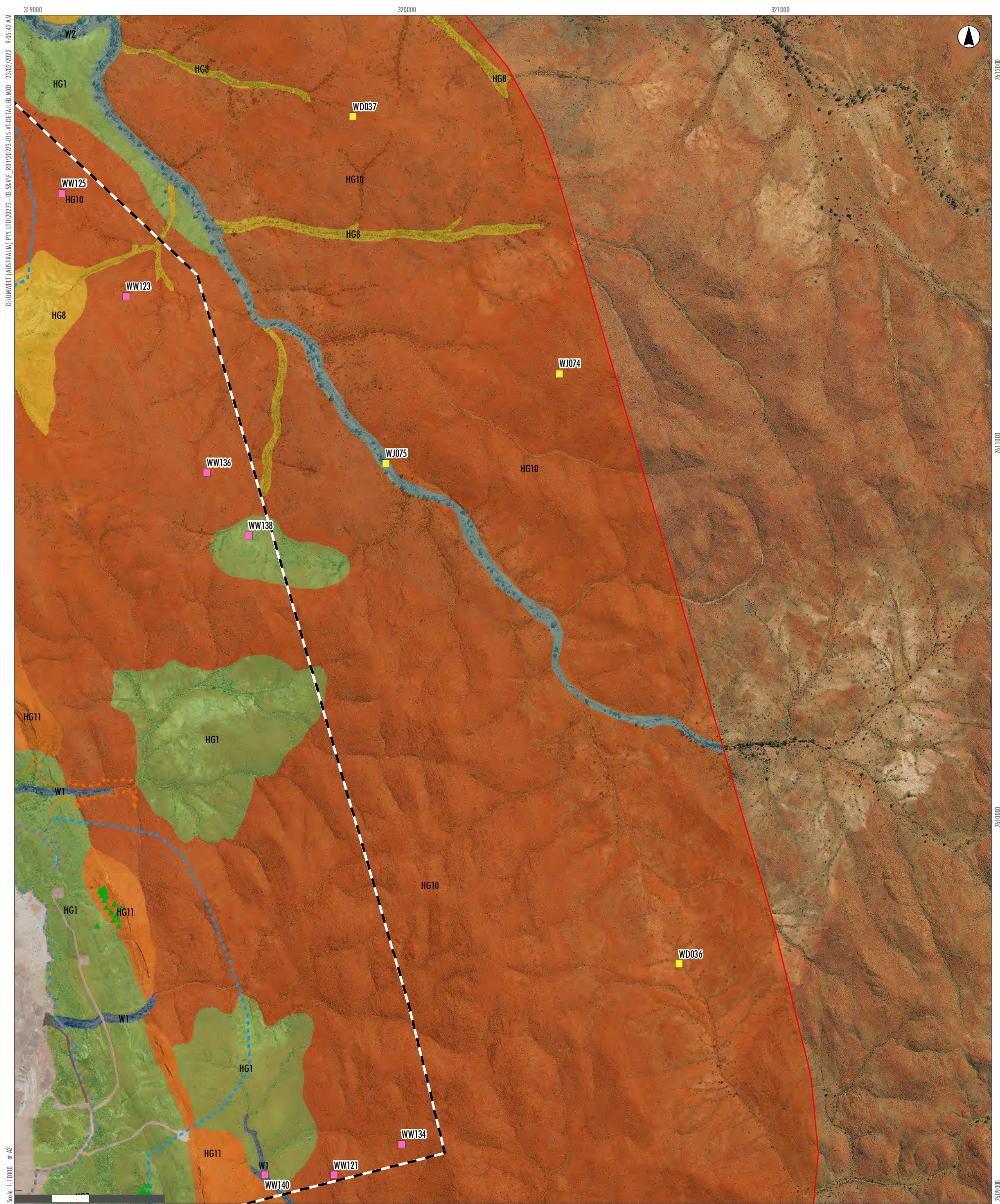
Legend

- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2021)
 - Relevé (2021)
 - Population Density Quadrats (2021)
-
- Vegetation Type**
 - HG1
 - HG4
 - HG6
 - HG7
 - HG8
 - HG9
 - HG11
 - HG12
 - W2
 - Other Areas**
 - Rehabilitated Land
 - Cleared Land

- Significant Flora**
- Corchorus* aff. *incanus* (potentially undescribed)
- Heliotropium* aff. *angyream* (potentially undescribed)
- Tribulus minutus* (P1)

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| 22 | 23 | 24 |
| 25 | 26 | 27 |
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| 31 | 32 | 33 |
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| 37 | 38 | |

APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 12



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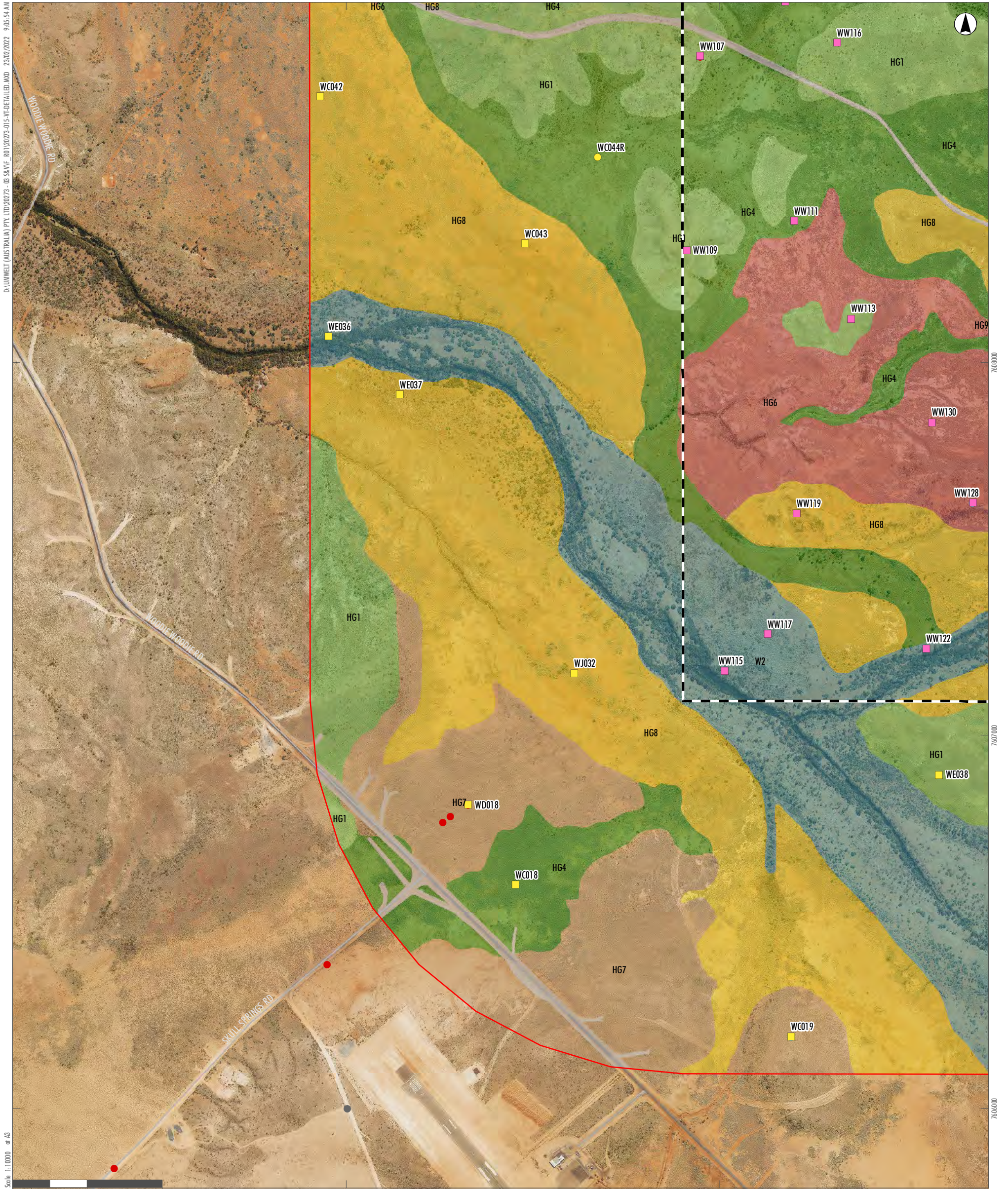
761000
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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
- Vegetation Type**
- HG1
 - HG7
 - HG8
 - HG10
 - HG11
 - W1
 - W2
- Other Areas**
- Rehabilitated Land
 - Cleared Land
- Sample Sites**
- Quadrat (2020)
 - Quadrat (2021)
- Significant Flora**
- ▲ *Lepidium amelum* (P1)

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APPENDIX O
 Detailed Mapping of VTs and Other
 Areas of the Study Area Described
 by the 2020 and 2021 Surveys
Sheet 14



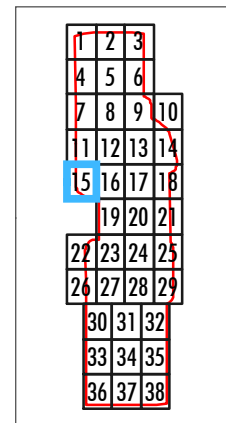
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GDA2020 MGA Zone 51

Legend

- Study Area
 - Development Envelope
 - Roads
 - Quadrat (2020)
 - Quadrat (2021)
 - Relevé (2021)
- | | | |
|--|---|--|
| <p>Vegetation Type</p> <ul style="list-style-type: none"> HG1 HG4 HG6 <p>Other Areas</p> <ul style="list-style-type: none"> Cleared Land | <ul style="list-style-type: none"> HG7 HG8 HG9 W2 <p>Significant Flora</p> <ul style="list-style-type: none"> ● <i>Euphorbia clementii</i> (P3) ● <i>Goodenia pedicellata</i> (P1) ● <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | |
|--|---|--|



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

Sheet 15



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GDA2020 MGA Zone 51

Legend

- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
- Sample Sites**
- Quadrat (2020)
 - Quadrat (2021)
 - Relevé (2021)
 - Population Density Quadrats (2021)
- Vegetation Type**
- HG8
 - HG9
 - HG11
 - HG12
 - TG1
 - W1
 - W2
 - Rehabilitated Land
 - Cleared Land

- Significant Flora**
- *Cochlosia* off. *incanus* (potentially undescribed)
 - *Goodenia pedicellata* (P1)
 - *Heliotropium* off. *argyreum* (potentially undescribed)
 - *Kohautia australiensis* (P2)
 - ▲ *Lepidium amelum* (P1)
 - ▲ *Tribulus minutus* (P1)

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APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 16



Legend

- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2021)
- | |
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| <p>Vegetation Type</p> <ul style="list-style-type: none"> HG1 TG1 W1 W2 HG7 HG11 <p>Other Areas</p> <ul style="list-style-type: none"> Rehabilitated Land Cleared Land |
|--|

Significant Flora

- Corchorus aff. incanus* (potentially undescribed)
- Euphorbia clementii* (P3)
- Goodenia pedicellata* (P1)
- Lepidium amelum* (P1)
- Tribulus minutus* (P1)

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APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys



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GDA2020 MGA Zone 51

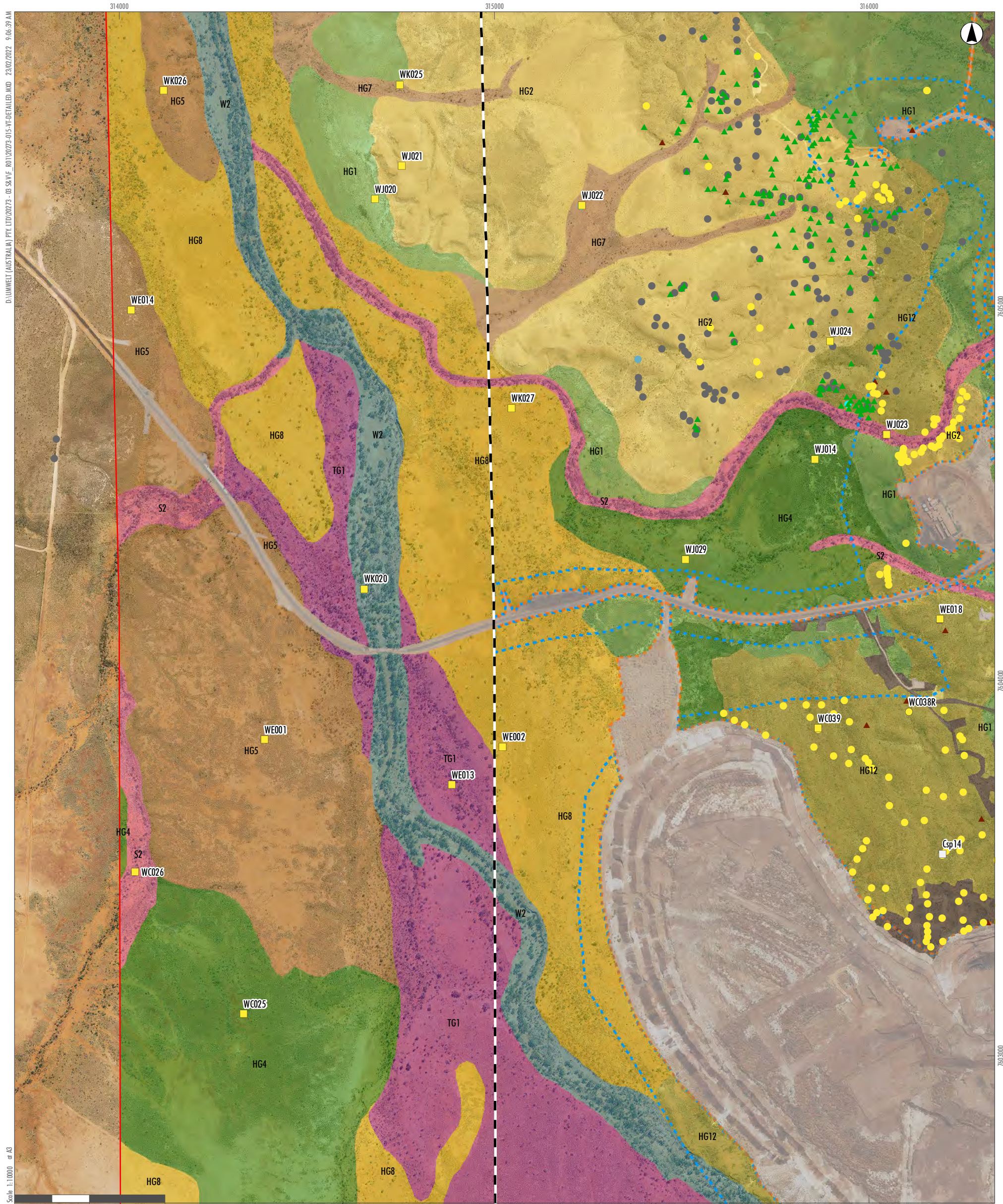
- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
- Vegetation Type**
- HG1
 - HG7
 - HG10
 - HG11
 - TG1
 - W1
 - W2
- Other Areas**
- Rehabilitated Land
 - Cleared Land
- Sample Sites**
- Quadrat (2021)
 - Relevé (2021)
- Significant Flora**
- Heliotropium* aff. *argyream* (potentially undescribed)

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APPENDIX O

Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys

Sheet 18



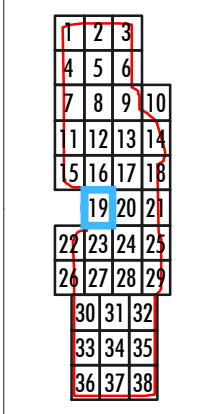
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GDA2020 MGA Zone 51

Legend

- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2021)
 - Relevé (2021)
 - Population Density Quadrats (2021)
-
- Vegetation Type**
 - HG1
 - HG2
 - HG4
 - HG5
 - HG7
 - HG8
 - HG12
 - S2
 - TG1
 - W2
 - Other Areas**
 - Rehabilitated Land
 - Cleared Land

- Significant Flora**
- *Corythos* aff. *incanus* (potentially undescribed)
- *Euphorbia inappendiculata* var. *inappendiculata* (P2)
- *Goodenia pedicellata* (P1)
- *Heliotropium* aff. *argyreum* (potentially undescribed)
- *Kohautia australiensis* (P2)
- ▲ *Lepidium amelum* (P1)
- ▲ *Tribulus minutus* (P1)



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys



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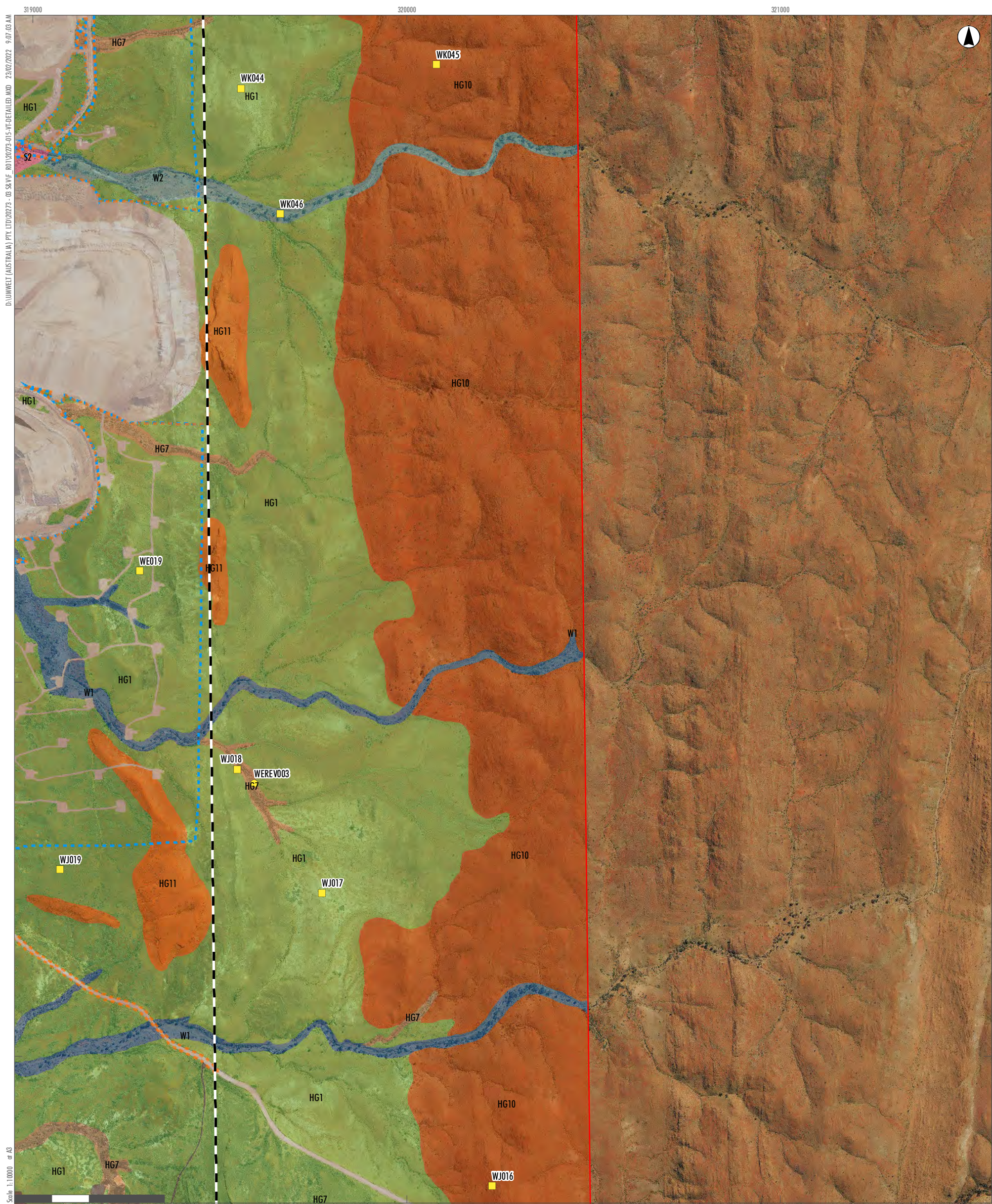
7605000
 7604000
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- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2021)
 - Relevé (2021)
- Vegetation Type**
- HG1
 - HG7
 - HG8
 - S2
 - TG1
 - W1
- Other Areas**
- Rehabilitated Land
 - Cleared Land

- Significant Flora**
- Corchorus* aff. *incanus* (potentially undescribed)
 - Euphorbia clementii* (P3)
 - Goodenia pedicellata* (P1)
 - Heliotropium* aff. *argyreum* (potentially undescribed)
 - Kohautia australiensis* (P2)
 - Tribulus minutus* (P1)

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APPENDIX O
 Detailed Mapping of VTs and Other
 Areas of the Study Area Described
 by the 2020 and 2021 Surveys
Sheet 20

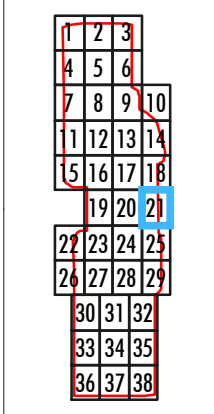


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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
- Vegetation Type**
- HG1
 - S2
 - HG7
 - HG10
 - HG11
- Water**
- W1
 - W2
- Other Areas**
- Rehabilitated Land
 - Cleared Land
- Sample Sites**
- Quadrat (2021)
 - Relevé (2021)

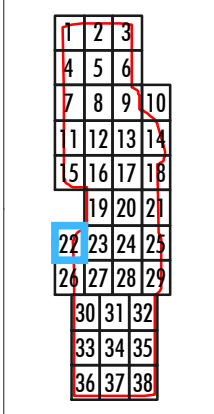


APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 21



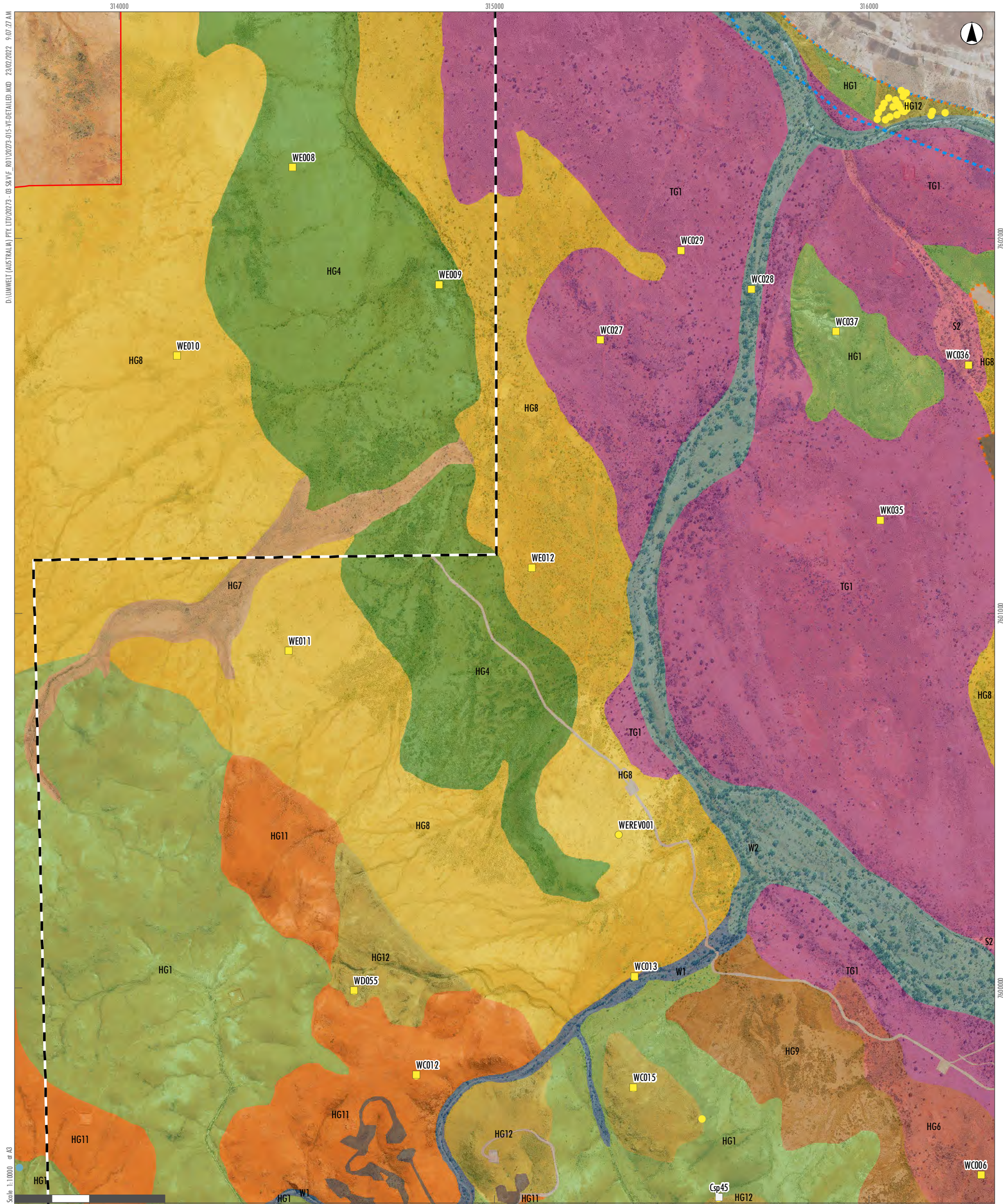
GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Quadrat (2021)
 - Vegetation Type**
 - HG1
 - HG7
 - HG8
 - HG11
 - HG12
 - S1
 - S2
 - Significant Flora**
 - Corchorus* aff. *incanus* (potentially undescribed)
 - *Euphorbia clementii* (P3)
 - *Goodenia pedicellata* (P1)
 - *Heliotropium* aff. *argyreum* (potentially undescribed)
 - ▲ *Tribulus minutus* (P1)



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys



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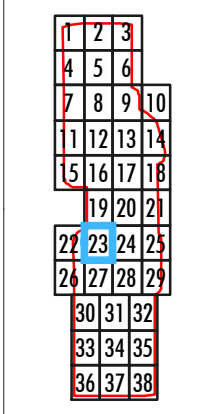
7602000
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GDA2020 MGA Zone 51

Legend

- Study Area
- Development Envelope
- Existing Approved Project Footprint
- Proposed Indicative Footprint
- Sample Sites**
- Quadrat (2021)
- Relevé (2021)
- Population Density Quadrats (2021)

- Vegetation Type**
- HG1
 - HG4
 - HG6
 - HG7
 - HG8
 - HG9
 - HG11
 - HG12
 - S2
 - TG1
 - W1
 - W2
- Other Areas**
- Rehabilitated Land
 - Cleared Land

- Significant Flora**
- Cochlosia* aff. *incanus* (potentially undescribed)
 - Euphorbia inappendiculata* var. *inappendiculata* (P2)
 - Heliotropium* aff. *argyreum* (potentially undescribed)



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

Sheet 23



Legend

| | | |
|-------------------------------------|--------------------------------|--|
| Study Area | Vegetation Type HG1 | Significant Flora <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) |
| Development Envelope | Vegetation Type HG3 | Significant Flora <i>Euphorbia clementii</i> (P3) |
| Existing Approved Project Footprint | Vegetation Type HG5 | Significant Flora <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) |
| Proposed Indicative Footprint | Vegetation Type TG1 | |
| Sample Sites | Other Areas W1 | |
| Quadrat (2021) | Other Areas W2 | |
| Population Density Quadrats (2021) | Other Areas Rehabilitated Land | |
| | Other Areas Cleared Land | |

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APPENDIX O
Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys
Sheet 24



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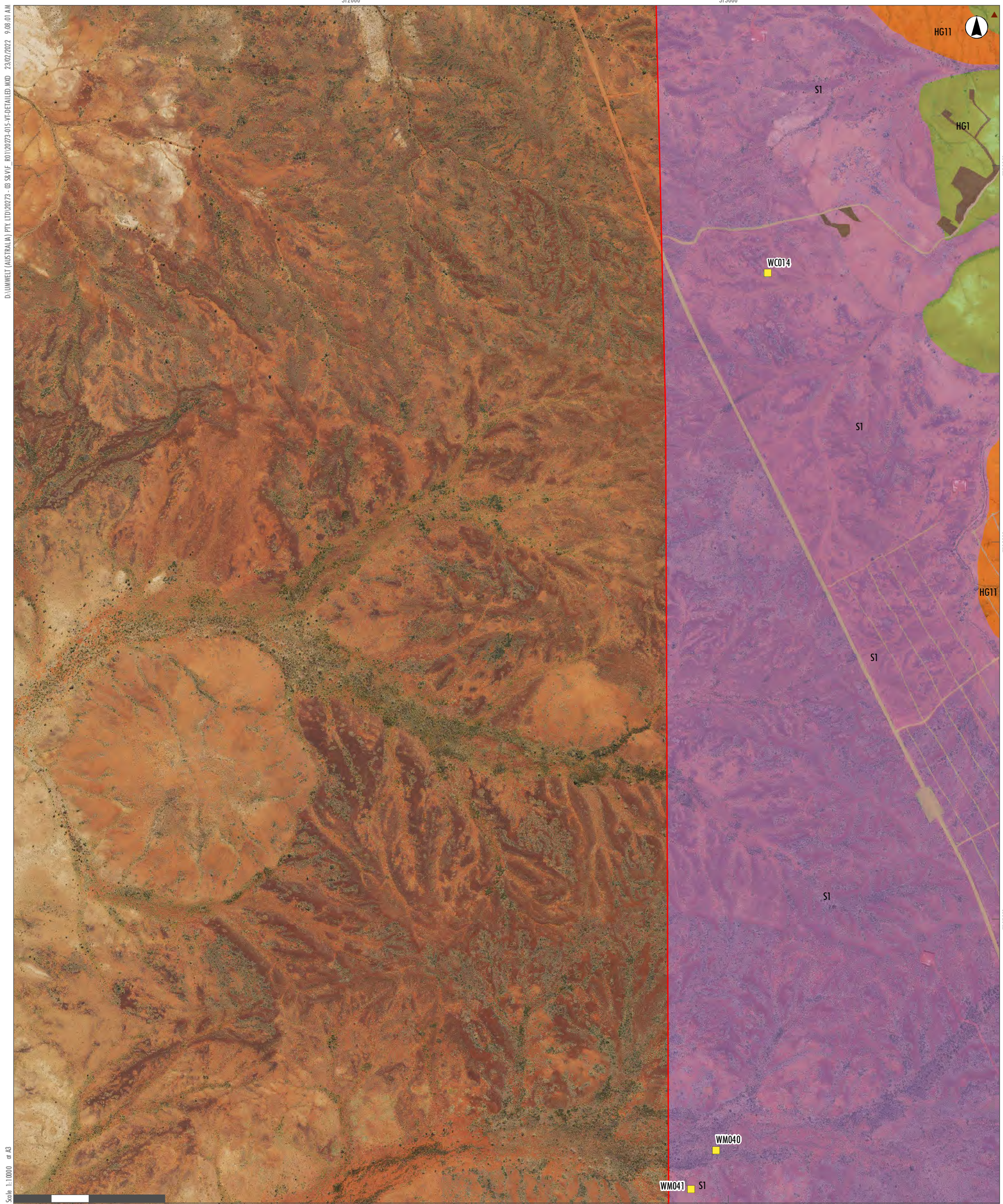
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GDA2020 MGA Zone 51

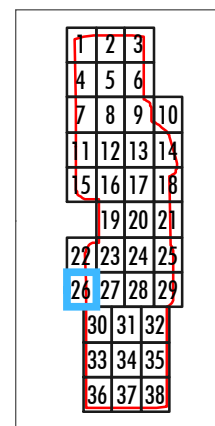
- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2021)
- Vegetation Type**
- HG1
 - HG5
 - HG7
 - HG10
 - TG1
 - W1
 - W2
- Other Areas**
- Rehabilitated Land
 - Cleared Land
- Significant Flora**
- *Euphorbia clementii* (P3)

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APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 25



- Legend**
- Study Area
 - Vegetation Type
 - HG11
 - S1
 - Sample Sites
 - HG1
 - Other Areas
 - Rehabilitated Land
 - Cleared Land
 - Quadrat (2021)
 - Significant Flora
 - *Corchorus* aff. *incanus* (potentially undescribed)
 - *Heliotropium* aff. *agyreum* (potentially undescribed)
 - ▲ *Trifolium minutus* (P1)



APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 26



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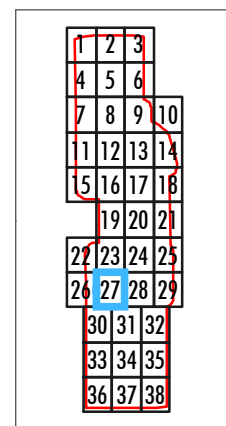
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Legend

- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2020)
 - Quadrat (2021)
 - Population Density Quadrats (2021)
-
- Vegetation Type**
 - HG11
 - HG12
 - HG1
 - HG6
 - HG9
 - S1
 - W1
 - Other Areas**
 - Rehabilitated Land
 - Cleared Land
-
- Significant Flora**
 - Cochlosia* aff. *incanus* (potentially undescribed)
 - Heliotropium* aff. *argyream* (potentially undescribed)



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

Sheet 27



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Legend

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|-------------------------------------|---------------------|--------------------|--|
| Study Area | Vegetation Type HG1 | HG10 | Significant Flora |
| Development Envelope | HG4 | HG11 | |
| Existing Approved Project Footprint | HG5 | HG12 | <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) |
| Proposed Indicative Footprint | TG1 | W1 | <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) |
| Sample Sites | HG6 | W2 | |
| Quadrat (2021) | HG8 | Rehabilitated Land | |
| Relevé (2021) | HG9 | Cleared Land | |
| Population Density Quadrats (2021) | | | |

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APPENDIX O
 Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys
 Sheet 28



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GDA2020 MGA Zone 51

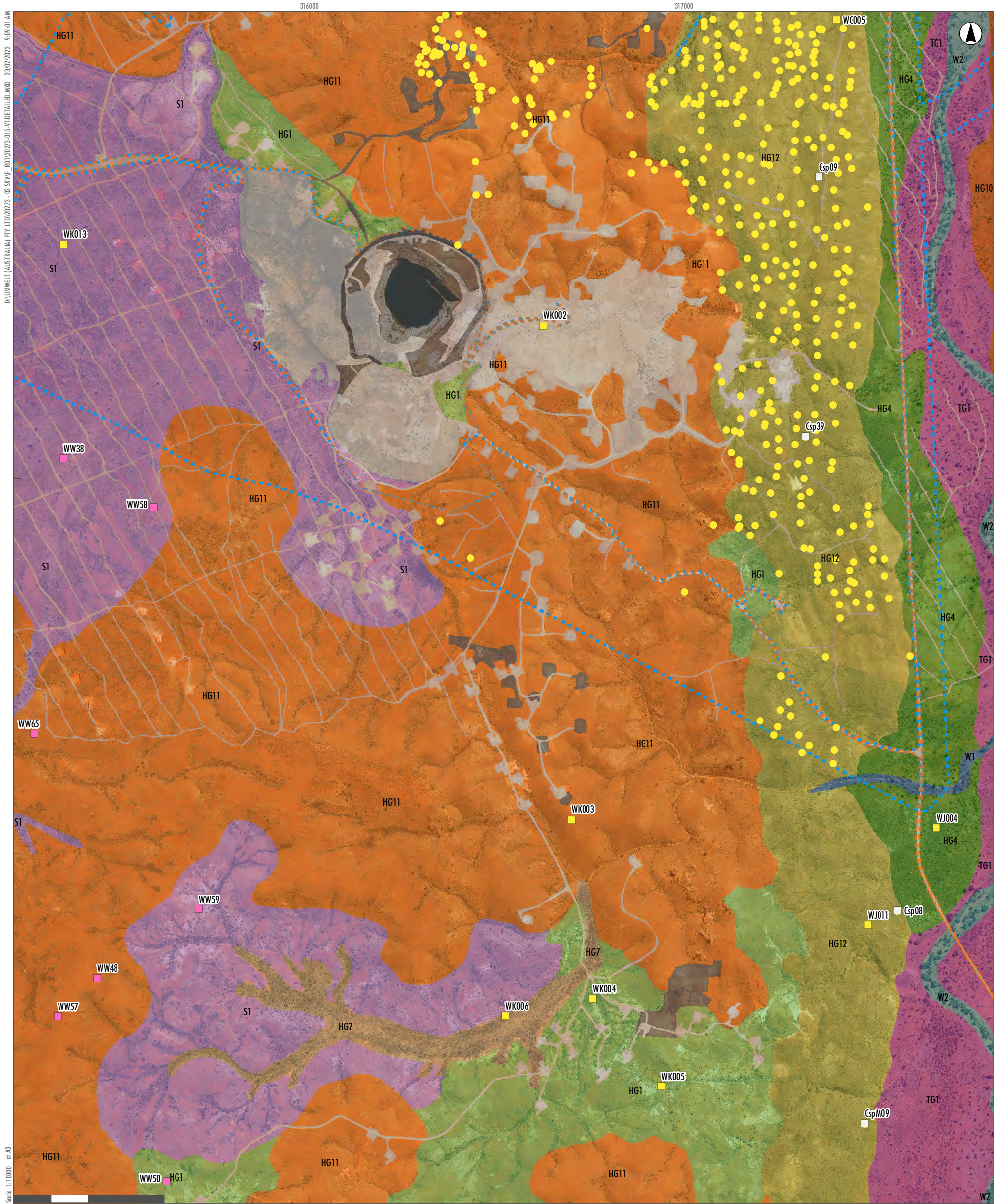
Legend

- Study Area
 - Development Envelope
 - Sample Sites**
 - Quadrat (2021)
 - Relevé (2021)
-
- Vegetation Type**
 - HG1
 - TG1
 - HG10
 - W1
 - W2
-
- Other Areas**
 - Rehabilitated Land
 - Cleared Land
-
- Significant Flora**
 - *Heliotropium* aff. *argyreum* (potentially undescribed)

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APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys



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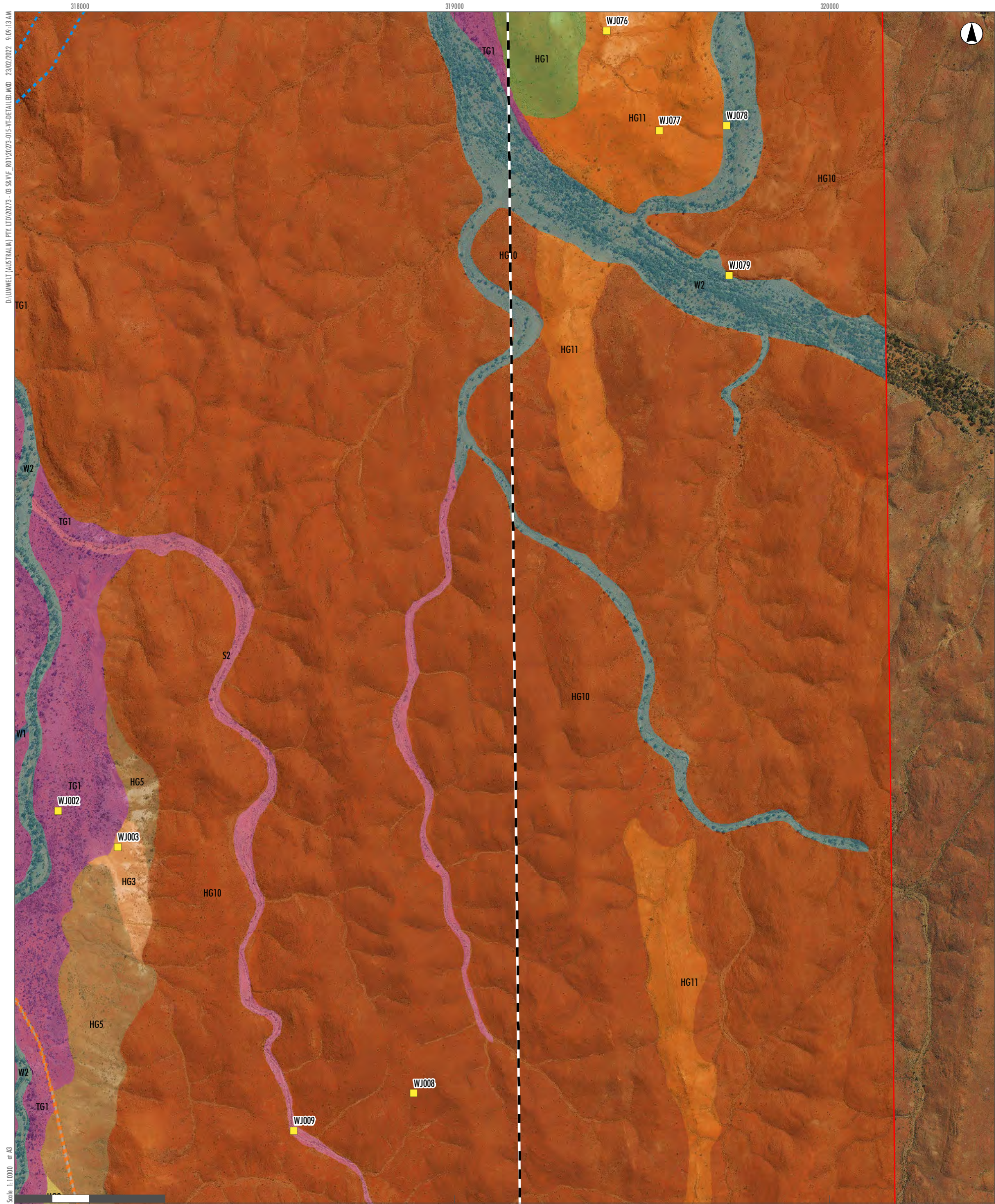
GDA2020 MGA Zone 51

Legend

- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Quadrat (2020)
 - Quadrat (2021)
 - Population Density Quadrats (2021)
-
- Vegetation Type**
 - HG1
 - HG12
 - S1
 - TG1
 - W1
 - W2
 - HG7
 - HG10
 - Other Areas**
 - Rehabilitated Land
 - Cleared Land
-
- Significant Flora**
 - Corchorus* aff. *incanus* (potentially undescribed)
 - Heliotropium* aff. *argyreum* (potentially undescribed)

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APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 31

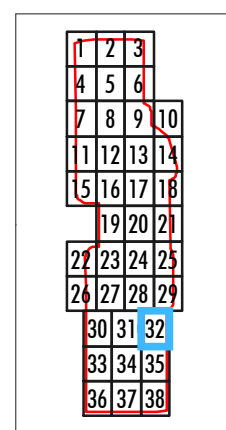


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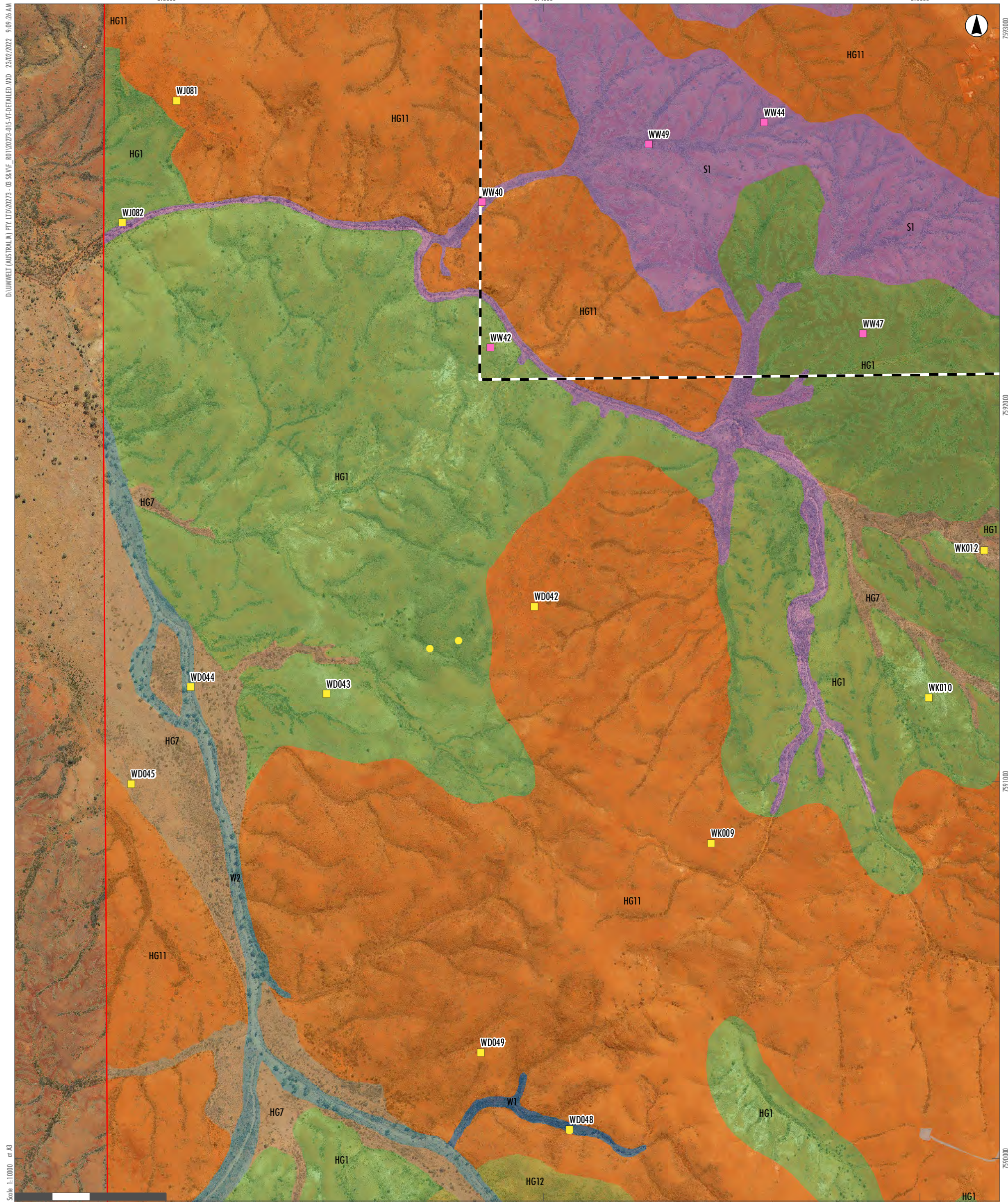
- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Proposed Indicative Footprint
 - Sample Sites**
 - Quadrat (2021)
- | | |
|--|---|
| <p>Vegetation Type</p> <ul style="list-style-type: none"> HG1 HG2 HG3 HG5 | <ul style="list-style-type: none"> HG10 HG11 S2 TG1 W1 W2 <p>Other Areas</p> <ul style="list-style-type: none"> Cleared Land |
|--|---|

- Significant Flora**
- *Heliotropium aff. argyreum* (potentially undescribed)



APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 32

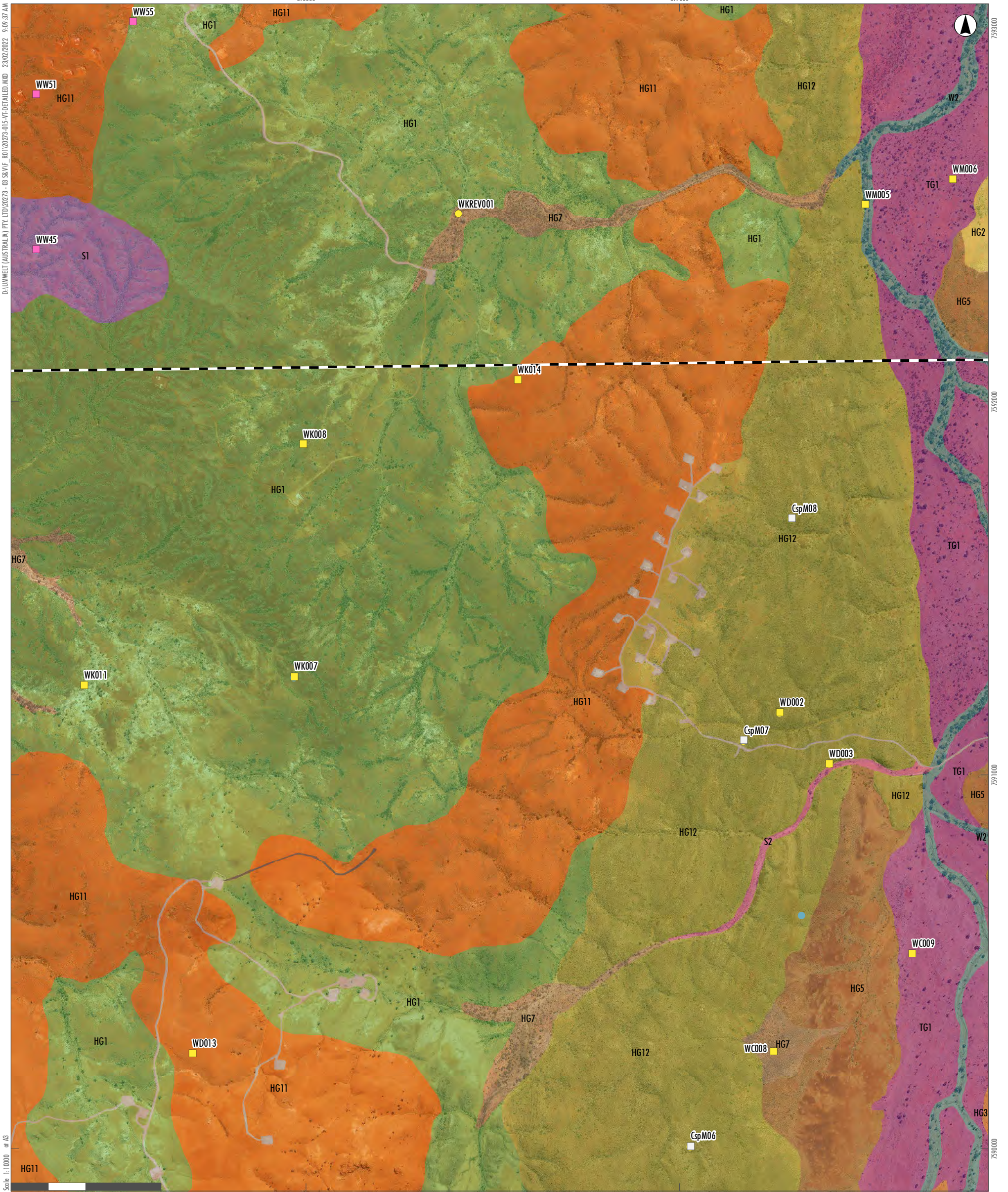
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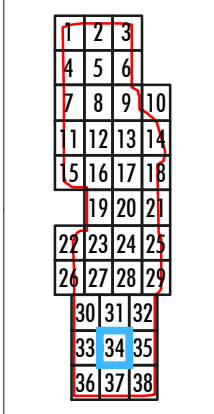
- Legend**
- Study Area
 - Development Envelope
 - Sample Sites**
 - Quadrat (2020)
 - Quadrat (2021)
- | | |
|---|---|
| <p>Vegetation Type</p> <ul style="list-style-type: none"> ■ HG1 ■ HG7 ■ HG11 ■ HG12 ■ S1 ■ W1 ■ W2 <p>Other Areas</p> <ul style="list-style-type: none"> ■ Cleared Land | <p>Significant Flora</p> <ul style="list-style-type: none"> ● <i>Cochlosia</i> aff. <i>incanus</i> (potentially undescribed) ● <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) ▲ <i>Tribulus minutus</i> (P1) |
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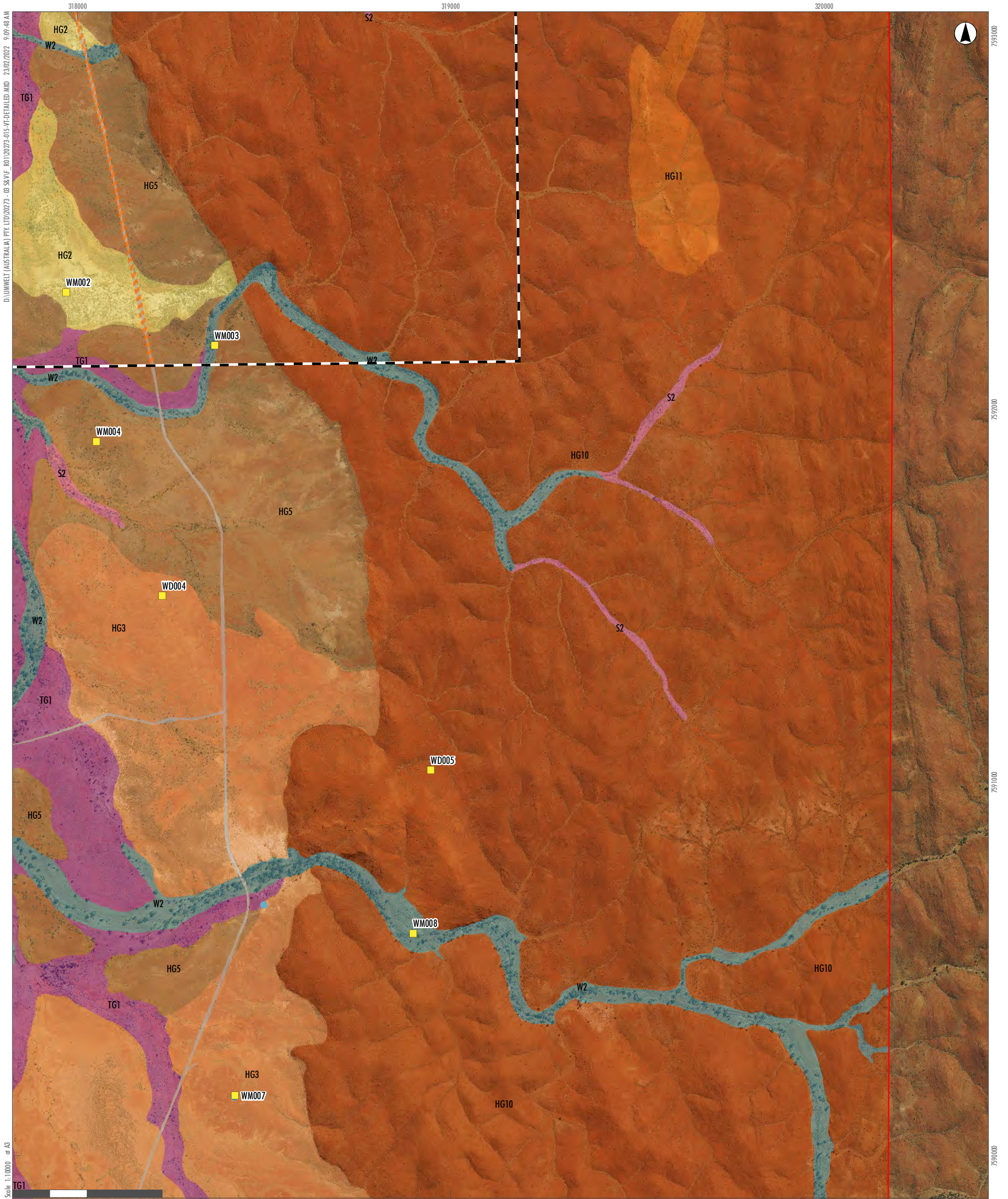
APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 33



- Legend**
- Study Area
 - Development Envelope
 - Sample Sites**
 - Quadrat (2020)
 - Quadrat (2021)
 - Relevé (2021)
 - Population Density Quadrats (2021)
- Vegetation Type**
- HG11
 - HG1
 - HG2
 - HG3
 - HG5
 - HG7
 - S1
 - S2
 - TG1
 - W2
- Other Areas**
- Rehabilitated Land
 - Cleared Land
- Significant Flora**
- Corchorus* aff. *incanus* (potentially undescribed)
 - Heliotropium* aff. *argyream* (potentially undescribed)



APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 34



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7593000

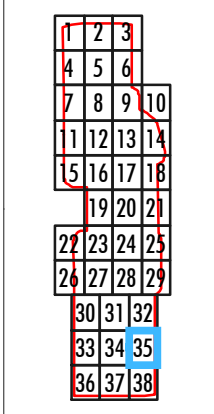
7592000

7591000

7590000

- Legend**
- Study Area
 - Development Envelope
 - Existing Approved Project Footprint
 - Sample Sites
 - Quadrat (2021)
- Vegetation Type**
- HG10
 - HG11
 - HG2
 - HG3
 - HG5
 - TG1
 - W2
- Other Areas**
- Cleared Land

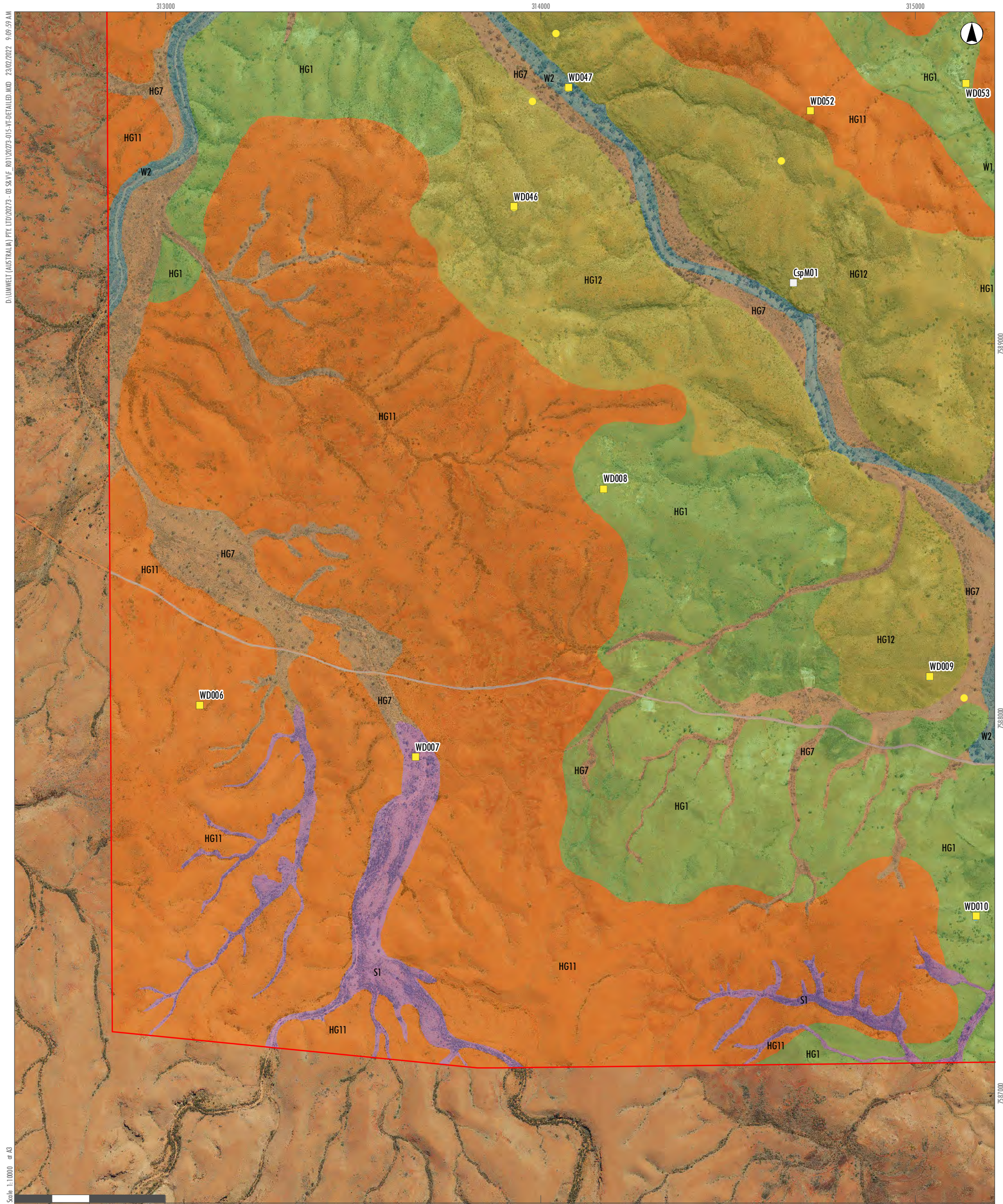
- Significant Flora**
- *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)
 - *Heliotropium* aff. *agyreum* (potentially undescribed)



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

Sheet 35

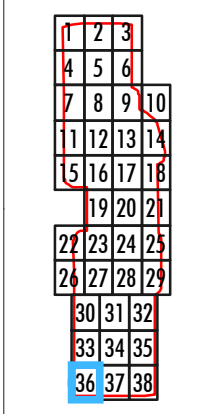


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7589000
7588000
7587000

- Legend**
- Study Area
 - Sample Sites**
 - Quadrat (2021)
 - Population Density Quadrats (2021)
 - Vegetation Type**
 - HG12
 - HG1
 - HG7
 - HG11
 - Other Areas**
 - Cleared Land
 - Significant Flora**
 - *Cordyline* aff. *incanus* (potentially undescribed)
 - *Heliotropium* aff. *argyreum* (potentially undescribed)



APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys
Sheet 36

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Scale: 1:10000 at A3

GDA2020 MGA Zone 51

Legend

Study Area

Sample Sites

- Quadrat (2021)
- Population Density Quadrats (2021)

Vegetation Type

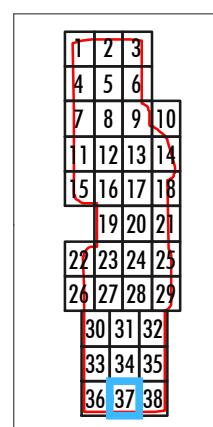
- HG12
- HG1
- HG3
- HG5
- HG7
- HG11
- S1
- S2
- TG1
- W1
- W2

Other Areas

- Rehabilitated Land
- Cleared Land

Significant Flora

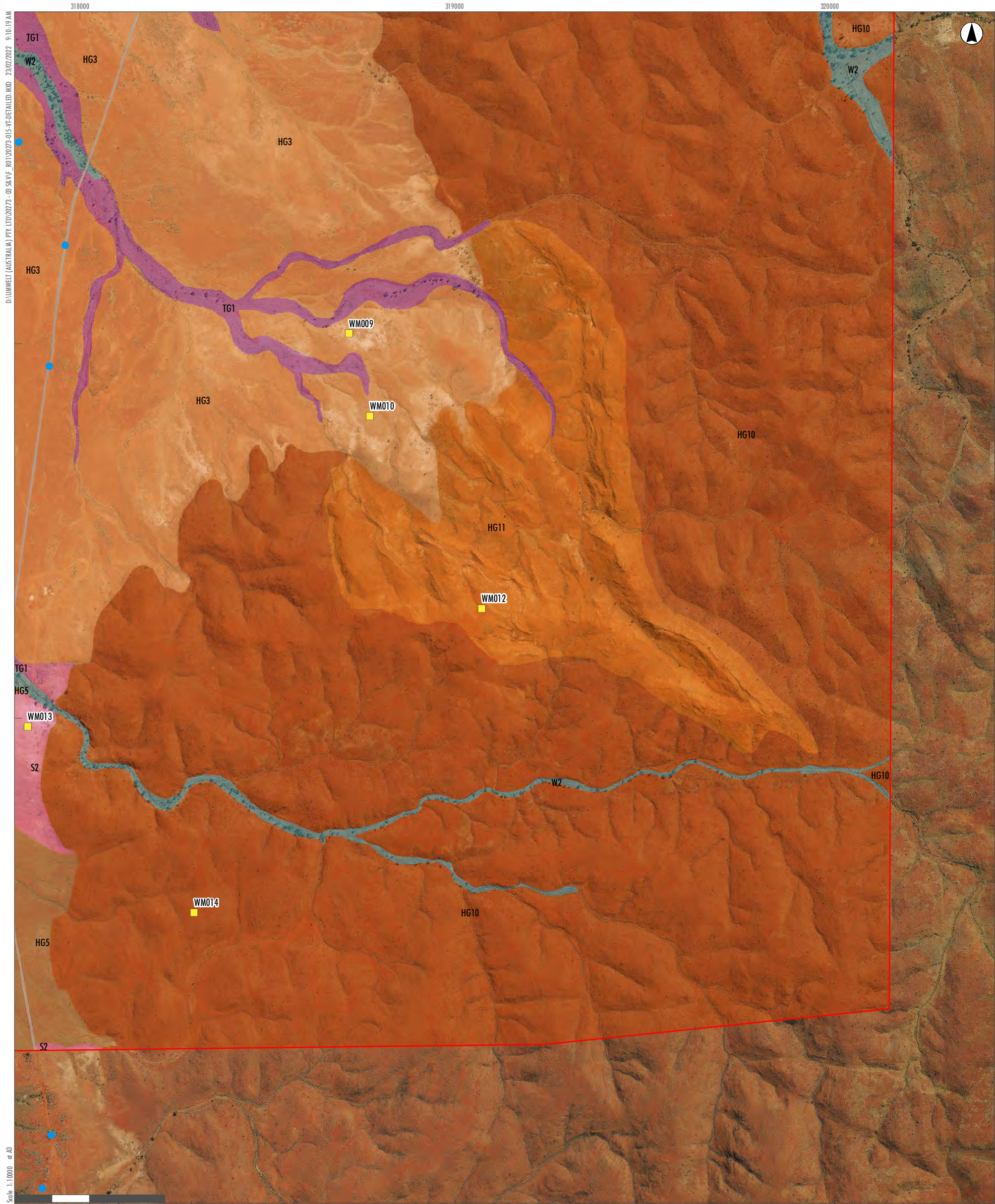
- *Cordanus* aff. *incanus* (potentially undescribed)
- *Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)
- *Heliotropium* aff. *argyrium* (potentially undescribed)
- *Ptilotus mollis* (P4)



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys

Sheet 37



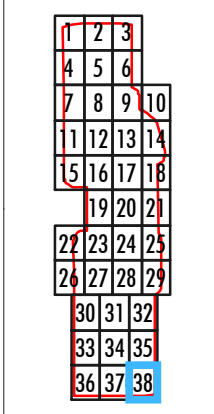
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Scale: 1:10000 at A3

759000
758000
757000




















GDA2020 MGA Zone 51

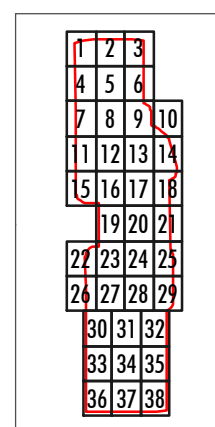
- Legend**
- Study Area
 - Vegetation Type**
 - HG11
 - HG3
 - S2
 - TG1
 - HG5
 - W2
 - HG10
 - Other Areas**
 - Cleared Land
 - Sample Sites**
 - Quadrat (2021)
 - Significant Flora**
 - Eremophila* sp. Rudall River (P.G. Wilson 10512) (P2)
 - Heliotropium* aff. *argyream* (potentially undescribed)



APPENDIX O
Detailed Mapping of VTs and Other
Areas of the Study Area Described
by the 2020 and 2021 Surveys

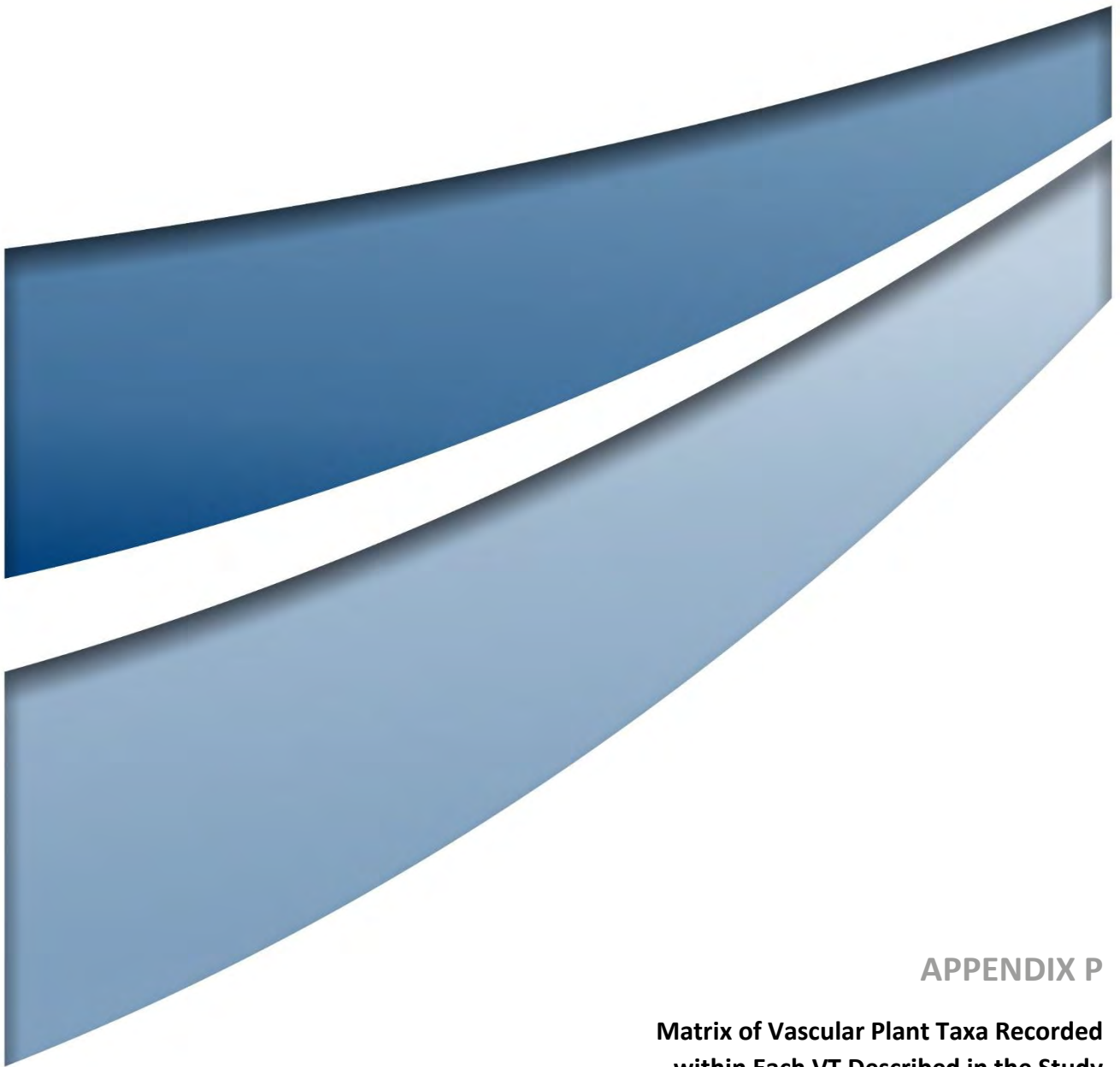
Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)

| Legend | |
|---|--|
| Vegetation Type | |
|  | HG1 Occasional mid sparse shrubland of mixed species dominated by <i>Acacia bivenosa</i> , <i>Acacia roborum</i> and occasionally <i>Acacia arida</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> over an occasional low sparse shrubland of mixed species including <i>Senna symonii</i> , <i>Senna sericea</i> and <i>Indigofera monophylla</i> over low open hummock grassland dominated by <i>Triodia wiseana</i> , <i>Triodia scintillans</i> and <i>Triodia longiceps</i> on brown, red-brown or orange-brown clay loam or sandy clay loam with dolerite, dolomite, ironstone, metamorphic, quartz and calcrete stones, sometimes with dolerite, dolomite or metamorphic outcropping on undulating plains and slopes and crests of hills. |
|  | HG2 Tall to mid sparse shrubland of mixed species including <i>Acacia bivenosa</i> , <i>Acacia arida</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Acacia synchronicia</i> over low sparse shrubland of mixed species including <i>Senna symonii</i> , <i>Heliotropium</i> aff. <i>argyrium</i> (potentially undescribed) and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over mid open hummock grassland dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia scintillans</i> on brown or red-brown clay loam with calcrete, dolomite or dolerite stones, sometimes with calcrete or dolomite outcropping, on slopes and crests of low hills and undulating plains. |
|  | HG3 Occasional mid sparse shrubland of <i>Acacia synchronicia</i> over low sparse hummock grassland dominated by <i>Triodia wiseana</i> over low sparse tussock grassland of mixed species dominated by * <i>Cenchrus ciliaris</i> , <i>Eragrostis xerophila</i> and <i>Sporobolus actinocladius</i> on red-brown or brown clay loam or sandy clay loam with dolerite, ironstone and quartz and calcrete stones on colluvial plains, flats, claypans and closed depressions. |
|  | HG4 Occasional mid sparse shrubland of mixed species including <i>Acacia synchronicia</i> , <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> and <i>Acacia roborum</i> over mid open hummock grassland of mixed species including <i>Triodia longiceps</i> , <i>Triodia wiseana</i> and <i>Triodia epactia</i> over low sparse tussock grassland dominated by * <i>Cenchrus ciliaris</i> and <i>Sporobolus australasicus</i> on brown clay loam or sandy clay with ironstone, calcrete, quartz and dolerite stones on colluvial plains and flats. |
|  | HG5 Occasional tall to mid sparse shrubland of mixed species including <i>Acacia roborum</i> and <i>Acacia synchronicia</i> over mid open hummock grassland of mixed species dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia epactia</i> and <i>Triodia longiceps</i> over an occasional low sparse tussock grassland dominated by <i>Sporobolus australasicus</i> and * <i>Cenchrus ciliaris</i> on red-brown, red or brown clay loam or sandy clay loam with dolerite, metamorphic, ironstone and quartz stones on undulating plains and flats. |
|  | HG6 Occasional tall sparse shrubland of mixed species including <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Acacia inaequilatera</i> over mid open hummock grassland of mixed species including <i>Triodia longiceps</i> , <i>Triodia epactia</i> and occasionally <i>Triodia wiseana</i> over an occasional low sparse tussock grassland of * <i>Cenchrus ciliaris</i> on red-brown or brown clay loam or sandy clay loam with metamorphic, quartz, ironstone and dolomite stones on colluvial plains and flats. |
|  | HG7 Tall to mid sparse shrubland of mixed species including <i>Acacia bivenosa</i> , <i>Acacia roborum</i> and occasionally <i>Acacia ancistrocarpa</i> over low sparse shrubland of mixed species including <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Scaevola ambylanthera</i> var. <i>centralis</i> and <i>Indigofera monophylla</i> over mid open hummock grassland of mixed species dominated by <i>Triodia wiseana</i> and occasionally <i>Triodia longiceps</i> and <i>Triodia epactia</i> over an occasional mid open tussock grassland of mixed species including * <i>Cenchrus ciliaris</i> , <i>Paraneurachne muelleri</i> and <i>Chrysopogon fallax</i> on red-brown or brown sandy clay loam or clay loam, sometimes with ironstone, dolomite, dolerite, quartz, calcrete and metamorphic stones, rarely with calcrete or metamorphic outcropping, on undulating and colluvial plains, flats, and minor drainage features. |
|  | HG8 Occasional tall to mid sparse shrubland of mixed species including <i>Acacia trachycarpa</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia inaequilatera</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> over low open hummock grassland of mixed species dominated by <i>Triodia epactia</i> , <i>Triodia wiseana</i> and occasionally <i>Triodia longiceps</i> over an occasional low open tussock grassland of mixed species including * <i>Cenchrus ciliaris</i> , <i>Eragrostis eriopoda</i> and <i>Eragrostis desertorum</i> on red-brown or brown sandy clay loam or clay loam with dolerite, ironstone, quartz, dolomite and calcrete stones, occasionally with dolomite or calcrete outcropping on colluvial plains, flats and low rises. |
|  | HG9 Low isolated chenopod shrubs of mixed species including <i>Eremophea spinosa</i> , <i>Sclerolaena crenata</i> and <i>Sclerolaena bicornis</i> var. <i>bicornis</i> over mid sparse hummock grassland dominated by <i>Triodia longiceps</i> and occasionally <i>Triodia angusta</i> on brown sandy clay loam or clay loam with calcrete and other colluvial stones, on flats and undulating plains. |
|  | HG10 Tall sparse shrubland of mixed species dominated by <i>Acacia inaequilatera</i> over low sparse shrubland of mixed species including <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Indigofera monophylla</i> , <i>Abutilon</i> cf. sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618) and <i>Senna glutinosa</i> subsp. <i>puinosa</i> over low open hummock grassland of mixed species including <i>Triodia brizoides</i> , <i>Triodia epactia</i> and <i>Triodia scintillans</i> on red-brown or orange-brown clay loam or sandy clay loam with dolerite, metamorphic, quartz and chert stones and dolerite, metamorphic or chert outcropping on slopes and crests of hills. |
|  | HG11 Tall to mid sparse shrubland of mixed species including <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Acacia inaequilatera</i> and <i>Acacia arida</i> over low sparse shrubland of mixed species including <i>Acacia hilliana</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , <i>Triumfetta macnochieana</i> and <i>Dampiera candidans</i> over low open hummock grassland dominated by <i>Triodia scintillans</i> and <i>Triodia epactia</i> on red-brown, brown or orange-brown clay loam or sandy clay loam with chert stones over chert outcropping on slopes and crests of low hills and undulating plains. |
|  | HG12 Mid sparse shrubland of mixed species dominated by <i>Acacia arida</i> and occasionally <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia bivenosa</i> over low sparse shrubland of mixed species including <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed), <i>Heliotropium</i> aff. <i>argyrium</i> (potentially undescribed) and * <i>Aerva javanica</i> over low open hummock grassland dominated by <i>Triodia wiseana</i> on red-brown, brown or orange-brown clay loam or sandy clay loam with dolomite, dolerite, metamorphic and quartz stones over dolomite or dolerite outcropping on slopes, crests, ridges and gorges of rocky hills and occasionally stony plains. |
|  | S1 Occasional low open woodland to isolated trees of mixed species dominated by <i>Corymbia hamersleyana</i> and occasionally <i>Eucalyptus odontocarpa</i> and <i>Corymbia candida</i> subsp. <i>dipsodes</i> over tall open shrubland to sparse shrubland of mixed species including <i>Acacia ancistrocarpa</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> over mid sparse shrubland of mixed species including <i>Acacia arida</i> , <i>Acacia bivenosa</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia acradenia</i> over low sparse shrubland of mixed species including <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Anthobolus leptomerioides</i> , <i>Bonamia erecta</i> and <i>Indigofera monophylla</i> over low open hummock grassland to sparse hummock grassland of mixed species including <i>Triodia epactia</i> , <i>Triodia scintillans</i> and <i>Triodia wiseana</i> over low sparse tussock grassland of mixed species including <i>Paraneurachne muelleri</i> , <i>Aristida holathera</i> var. <i>holathera</i> and <i>Chrysopogon fallax</i> on red-brown or brown sandy clay loam, clay loam or sandy clay with colluvial stones, sometimes with metamorphic or dolerite outcropping in minor creeks and flowlines and sometimes on undulating or colluvial stony plains. |
|  | S2 Tall open shrubland to sparse shrubland of mixed species dominated by <i>Atalaya hemiglauca</i> , <i>Acacia trachycarpa</i> and occasionally <i>Acacia coriacea</i> subsp. <i>pendens</i> and <i>Acacia ancistrocarpa</i> over mid sparse shrubland of mixed species including <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> , <i>Gossypium australe</i> , <i>Acacia bivenosa</i> and <i>Carissa lanceolata</i> over an occasional low sparse hummock grassland of <i>Triodia longiceps</i> and <i>Triodia wiseana</i> over mid closed tussock grassland to open tussock grassland to sparse tussock grassland of mixed species dominated by * <i>Cenchrus ciliaris</i> and <i>Chrysopogon fallax</i> on brown or red-brown clay loam or sandy clay loam with colluvial stones, occasionally with dolerite or chert outcropping in minor creeklines, flowlines, and on colluvial plains and flats. |
|  | TG1 Tall to mid sparse shrubland of mixed species dominated by <i>Acacia trachycarpa</i> , <i>Atalaya hemiglauca</i> and occasionally <i>Hakea lorea</i> subsp. <i>lorea</i> , <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> and <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> over low sparse shrubland of mixed species including * <i>Aerva javanica</i> and <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> over an occasional low sparse hummock grassland of <i>Triodia epactia</i> and <i>Triodia wiseana</i> over a mid closed tussock grassland to sparse tussock grassland of * <i>Cenchrus ciliaris</i> over an occasional low sparse forbland of mixed species including <i>Boerhavia coccinea</i> , <i>Trianthema pilosum</i> and <i>Boerhavia burbridgeana</i> on red-brown, brown or orange clay loam or sandy clay loam with colluvial stones on colluvial plains and flats. |
|  | W1 Low open woodland to isolated trees of mixed species dominated by <i>Corymbia hamersleyana</i> and occasionally <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Corymbia candida</i> subsp. <i>dipsodes</i> and <i>Eucalyptus victrix</i> over tall sparse shrubland of mixed species including <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Atalaya hemiglauca</i> and <i>Acacia arida</i> over mid open shrubland to sparse shrubland of mixed species including <i>Gossypium australe</i> , <i>Acacia bivenosa</i> , <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> and <i>Acacia ancistrocarpa</i> over low sparse shrubland of mixed species including <i>Indigofera monophylla</i> , <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> , * <i>Aerva javanica</i> and <i>Senna artemisioides</i> subsp. <i>oligophylla</i> over tall to mid sparse hummock grassland of mixed species including <i>Triodia epactia</i> and <i>Triodia wiseana</i> over mid tussock grassland to sparse tussock grassland of mixed species including * <i>Cenchrus ciliaris</i> , <i>Paraneurachne muelleri</i> and <i>Chrysopogon fallax</i> on red-brown or brown clay loam, sandy clay loam or sandy loam with colluvial stones, sometimes with dolerite, dolomite, metamorphic, chert or calcrete outcropping in minor creeks and flowlines and sometimes on colluvial plains. |
|  | W2 Mid to low woodland to open woodland dominated by <i>Eucalyptus victrix</i> and occasionally <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> and <i>Corymbia hamersleyana</i> over tall to mid sparse shrubland of mixed species dominated by <i>Atalaya hemiglauca</i> , <i>Acacia coriacea</i> subsp. <i>pendens</i> and occasionally <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> , <i>Acacia trachycarpa</i> and <i>Melaleuca glomerata</i> over low sparse shrubland of mixed species including <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Cullen leucanthum</i> , <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> and <i>Corchorus laniflorus</i> over an occasional mid to low sparse hummock grassland of mixed species including <i>Triodia epactia</i> , <i>Triodia longiceps</i> and <i>Triodia wiseana</i> over mid tussock grassland to sparse tussock grassland of mixed species dominated by * <i>Cenchrus ciliaris</i> and occasionally <i>Cymbopogon ambiguus</i> , <i>Eriachne tenuiculmis</i> and <i>Eriachne benthamii</i> over an occasional mid open sedgeland to sparse sedgeland of <i>Cyperus vaginatus</i> on brown or red-brown sandy clay loam, sandy clay or clayey sand with colluvial stones, occasionally with dolerite or dolomite outcropping in major creek and flowlines. |
| Other Area | |
|  | R Rehabilitated land |
|  | C Cleared land |



APPENDIX O

Detailed Mapping of VTs and Other Areas of the Study Area Described by the 2020 and 2021 Surveys



APPENDIX P

**Matrix of Vascular Plant Taxa Recorded
within Each VT Described in the Study
Area by the 2020 and 2021 Surveys**

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Abutilon amplum</i> | | | | | | | | | | | | | | | | | x |
| <i>Abutilon cunninghamii</i> | | | | | | | | | | | | | x | | | x | |
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> | | | | | | | | | | | | | | x | | | x |
| <i>Abutilon</i> aff. <i>hannii</i> (potentially undescribed) | | | | | | | x | | | | | | | | | x | |
| <i>Abutilon lepidum</i> | x | | x | x | x | x | x | x | | x | x | x | x | | x | x | x |
| <i>Abutilon macrum</i> | | | | | | | | | | | | | x | | | | |
| <i>Abutilon otocarpum</i> | | | | x | | | | x | | x | | x | | x | | x | x |
| <i>Abutilon oxycarpum</i> subsp. Prostrate (A.A. Mitchell PRP 1266) | | | | | x | | | | | | | | | | | | |
| <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618) | x | | x | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025) | x | | | x | x | x | x | x | | | x | | x | | | x | |
| <i>Acacia acradenia</i> | x | | | | x | | x | | | | x | | x | | | x | |
| <i>Acacia adoxa</i> var. <i>adoxo</i> | x | | | | | | | | | | x | | x | | | x | |
| <i>Acacia adsurgens</i> | | | | | | | x | | | x | | | x | | | | |
| <i>Acacia ampliceps</i> | | | | | | | | | | | | | | | | | x |
| <i>Acacia ancistrocarpa</i> | x | | | | x | | x | x | | x | x | | x | x | | x | x |
| <i>Acacia ancistrocarpa</i> x <i>arida</i> | x | | | | | | | | | | x | | x | | | | |
| <i>Acacia aptaneura</i> | x | | | | | | | | | | | | | | | | |
| <i>Acacia arida</i> | x | x | | | | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Acacia bivenosa</i> | x | x | | x | x | | x | x | | x | x | x | x | x | x | x | x |
| <i>Acacia bivenosa</i> x <i>sclerosperma</i> subsp. <i>sclerosperma</i> | | | | x | | | x | x | | | | | x | | x | | |
| <i>Acacia coleii</i> var. <i>coleii</i> | x | | | | | | x | | | | | | x | | | x | x |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> | | | | x | | | x | x | | | x | x | x | x | x | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Acacia eriopoda</i> | x | | | | | | x | | | | | | x | | | | |
| <i>Acacia hilliana</i> | x | x | | | | | x | | | | x | | | | | x | x |
| <i>Acacia inaequilatera</i> | x | x | x | x | | x | x | x | | x | x | x | | x | x | x | x |
| <i>Acacia maitlandii</i> | x | | | | | | | | | | x | x | x | | | | |
| <i>Acacia melleodora</i> | | | | | | | | | | x | | | | | | | |
| <i>Acacia monticola</i> | | | | | | | | | | | x | | | | | x | |
| <i>Acacia monticola x trachycarpa</i> | | | | | | | | | | | | | | | | x | |
| <i>Acacia pruinocarpa</i> | x | | | | | | | | | | | | x | | | | |
| <i>Acacia ptychophylla</i> | x | x | | | x | | | x | | x | x | | | | | x | |
| <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> | x | | | x | | | x | x | | x | | x | x | x | x | x | x |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> | x | | | | | | x | x | | | x | x | x | x | x | x | x |
| <i>Acacia robeorum</i> | x | x | | x | x | x | x | x | | | x | x | x | | x | x | x |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> | | | | x | | | x | x | | | | | | x | x | x | x |
| <i>Acacia stellaticeps</i> | | | | | | | | | | | | | | | | x | |
| <i>Acacia synchronicia</i> | x | x | x | x | x | | x | x | | | | x | | x | x | x | |
| <i>Acacia trachycarpa</i> | x | | | x | x | x | x | x | | | | | | x | x | x | x |
| <i>Acacia trachycarpa x tumida</i> var. <i>pilbarensis</i> | | | | | | | x | | | | x | | | x | | x | |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> | | | | | | | | | | | x | x | x | | | x | x |
| <i>Achyranthes aspera</i> | | | | | | | | | | | | | | x | | x | x |
| <i>Adriana tomentosa</i> var. <i>hookeri</i> | | | | | | | | | | | | | | | | x | |
| * <i>Aerva javanica</i> | x | x | x | x | x | x | x | x | x | x | x | x | | x | x | x | x |
| <i>Afrohybanthus aurantiacus</i> | x | x | | x | x | | x | x | | x | x | x | x | x | x | x | x |
| <i>Alternanthera angustifolia</i> | | | | | | | | | | | | | | | | | x |
| <i>Alternanthera denticulata</i> | | | | | | | | | | | | | | x | | | |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Alternanthera nana</i> | | | | | | | | | | | | | | | | | x |
| <i>Alysicarpus muelleri</i> | x | | | x | x | x | x | x | | x | | x | | x | x | x | x |
| <i>Amaranthus cuspidifolius</i> | x | | | | | | | | | | x | | | | | | |
| <i>Amaranthus undulatus</i> | x | | | x | | | | x | | | x | x | x | x | x | x | x |
| <i>Ammannia baccifera</i> | | | | x | | | | | | | | | | | | | x |
| <i>Ammannia multiflora</i> | | | | | | | | | | | | | | | | | x |
| <i>Amphipogon sericeus</i> | | | | | | | | | | | | | x | | | x | |
| <i>Amyema preissii</i> | | | | | x | | | | | | | | | | | | x |
| <i>Amyema sanguinea</i> var. <i>sanguinea</i> | | | | | | | | | | | | | | | | | x |
| ? <i>Androcalva loxophylla</i> | | | | | | | | | | | | | | | | x | |
| <i>Anthobolus leptomerioides</i> | x | | | x | x | | | x | | | x | | x | | | x | |
| <i>Areocleome oxalidea</i> | x | | | | | | | | | | | | | | | | |
| * <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> | | | | | | | | | | | | | | | | | x |
| <i>Aristida contorta</i> | x | | x | | x | | x | x | | x | x | | | | | x | |
| <i>Aristida holathera</i> var. <i>holathera</i> | x | | | | x | | x | x | | x | x | x | x | | | x | x |
| <i>Aristida inaequiglumis</i> | | | | | | | x | | | | | | x | | | x | |
| <i>Aristida pruinosa</i> | | | | | | | | | | | | | x | | | x | |
| <i>Arivela viscosa</i> | x | x | | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| <i>Atalaya hemiglauca</i> | x | x | x | x | | | x | x | | | x | x | x | x | x | x | x |
| <i>Atriplex codonocarpa</i> | | | | | | | | | x | | | | | | | | |
| <i>Bergia pedicellaris</i> | | | | | | | | | | | | | | | | | x |
| <i>Bergia trimera</i> | | | | | | | | | | | | | | | | | x |
| <i>Blumea tenella</i> | | | | | x | | | | | | | | | x | | | |
| <i>Boerhavia burbidgeana</i> | | | x | x | x | | x | x | x | | | x | x | x | x | x | x |
| <i>Boerhavia coccinea</i> | x | | x | x | x | x | x | x | | x | x | x | x | x | x | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Bonamia alatisemina</i> | | | | | | | | x | | x | | | | | x | | |
| <i>Bonamia erecta</i> | | | | | | | x | | | | x | | x | | | x | |
| <i>Bonamia ?linearis</i> | x | | | | | | | | | | | | | | | x | |
| <i>Bonamia media</i> | | | | | x | | x | x | | | x | | x | | x | x | x |
| <i>Bonamia pannosa</i> | x | | | | | | x | | | | x | | | x | x | x | x |
| <i>Bonamia pilbarensis</i> | x | x | | x | | | x | x | | x | x | x | x | x | x | x | x |
| <i>Bothriochloa ewartiana</i> | | | | | | | | | | | | | x | x | | x | x |
| <i>Buchnera linearis</i> | | | | | | | | | | | | | | | | x | x |
| <i>Bulbostylis barbata</i> | x | x | | x | x | x | x | x | x | x | x | x | x | | x | x | x |
| <i>Cajanus cinereus</i> | | | | | | | | | | | | | | | | x | x |
| <i>Calandrinia Ptychosperma</i> | | | | | | | x | | | | | | | | | | |
| * <i>Calotropis procera</i> | | | | x | | | x | x | | | | | | | | x | x |
| <i>Calytrix carinata</i> | x | | | | | | | | | | x | | x | | | | |
| <i>Capparis spinosa</i> subsp. <i>nummularia</i> | | | | x | | | x | | | | x | x | | | | | x |
| <i>Capparis umbonata</i> | | | | | | | | x | | | | | | | | | |
| <i>Carissa lanceolata</i> | | | | x | | | x | x | | x | | x | x | x | x | x | x |
| <i>Cassytha capillaris</i> | x | | | x | | x | x | | | | x | | x | | | x | |
| * <i>Cenchrus ciliaris</i> | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| * <i>Cenchrus setiger</i> | | | x | x | | | | | | | | | | x | x | | x |
| <i>Centipeda minima</i> subsp. <i>macrocephala</i> | | | | | | | | | | | | | | | | | x |
| <i>Cheilanthes brownii</i> | | | | | | | | | | | x | | | | | | |
| <i>Chloris pumilio</i> | | | | | | | | | | | | | | | | | x |
| <i>Chrysopogon fallax</i> | x | | | x | x | x | x | x | | | | x | x | x | x | x | x |
| * <i>Citrullus amarus</i> | | | x | x | x | | | x | | | | | | x | x | x | x |
| * <i>Citrullus colocynthis</i> | | | | x | | | x | x | | | x | | | x | x | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Clerodendrum floribundum</i> | | | | | | | | | | | x | x | | | | x | |
| <i>Clerodendrum tomentosum</i> | | | | | | | | | | | x | x | x | | | x | |
| <i>Codonocarpus cotinifolius</i> | | | | | | | | | | | x | | | | | | |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed) | x | x | | x | | | x | | | x | x | x | x | x | | x | x |
| <i>Corchorus laniflorus</i> | | | | | x | | | x | | x | | | | | x | x | x |
| <i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i> | x | x | x | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Corchorus parviflorus</i> | | | | | | | | | | | | | x | | | | |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> | x | | | x | x | | x | x | | | x | x | x | | x | x | x |
| <i>Corchorus tridens</i> | | | x | x | x | x | x | x | x | | | | | x | x | x | x |
| <i>Corymbia candida</i> subsp. <i>dipsodes</i> | x | | | | | | x | x | | | x | x | x | | | x | x |
| <i>Corymbia hamersleyana</i> | x | x | x | x | x | x | x | x | | | x | x | x | x | x | x | x |
| <i>Crotalaria cunninghamii</i> | | | | | | | | | | | | | | | | | x |
| <i>Crotalaria medicaginea</i> var. <i>neglecta</i> | | | x | x | x | x | x | x | x | | | x | | x | x | x | x |
| <i>Crotalaria novae-hollandiae</i> subsp. <i>novae-hollandiae</i> | | | | | | | | | | | | | | | | | x |
| <i>Crotalaria ramosissima</i> | | | | | | | | x | | | | | | | | | |
| <i>Cucumis melo</i> | | x | | x | x | | x | x | | x | x | x | x | x | x | x | x |
| <i>Cucumis variabilis</i> | x | x | | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Cullen lachnostachys</i> | | | | | | | | | | | | x | | x | | x | x |
| <i>Cullen leucanthum</i> | x | | | x | | | | x | | | | | | | | | x |
| <i>Cullen leucochaites</i> | | | | | | | | | | | | | x | | | | |
| <i>Cullen martinii</i> | | | | | | | | | | | | | | x | | | |
| <i>Cullen pogonocarpum</i> | x | | | x | | | x | x | | | | x | | x | | | |
| <i>Cullen stipulaceum</i> | x | | | | | | x | x | | | x | x | | x | | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Cymbopogon ambiguus</i> | x | | | | x | | x | x | | x | x | x | x | x | | x | x |
| <i>Cynanchum floribundum</i> | x | | | x | x | | x | x | | | x | x | x | x | | x | x |
| <i>Cynanchum viminale</i> subsp. <i>australe</i> | x | | | | | | | | | | | x | | | | | |
| <i>Cynodon convergens</i> | x | | x | x | | | x | | | x | | x | x | x | | x | x |
| * <i>Cynodon dactylon</i> | | | | | | | | | | | | | | x | | | x |
| <i>Cynodon prostratus</i> | x | | x | | x | x | x | x | x | | x | | | | x | x | |
| <i>Cyperus bifax</i> | | | | | | | | | | | | | | | | | x |
| <i>Cyperus cunninghamii</i> subsp. <i>cunninghamii</i> | | | | | | | | | | | x | | | | | | |
| <i>Cyperus difformis</i> | | | | x | | | | | | | | | | | | | x |
| <i>Cyperus hesperius</i> | | | | | | | | | | | x | x | | | | | |
| <i>Cyperus iria</i> | | | | | | | | | | | | | | | | | x |
| <i>Cyperus squarrosus</i> | | | | | | | | | x | | | | | | | | x |
| <i>Cyperus vaginatus</i> | | | | x | | | | | | | | | | | | x | x |
| <i>Dactyloctenium radulans</i> | x | x | x | x | x | x | | x | x | | | | | x | x | | x |
| <i>Dampiera candidans</i> | x | x | | | | | x | x | | | x | | x | | | x | |
| * <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> | | | | | | | | | | | | | | x | | | x |
| <i>Dichanthium fecundum</i> | | | | | | | | | | | | | | | | | x |
| <i>Dichanthium sericeum</i> subsp. <i>humilius</i> | | | | x | x | | | | | | | | | | | x | |
| <i>Dichrostachys spicata</i> | | | | | | x | | | | | | | | x | | | |
| <i>Dicladantha forrestii</i> | | | | | | | | | | | | | | x | | | x |
| <i>Dicrastylis cordifolia</i> | | | | | | | | | | | | | x | | | | |
| <i>Digitaria brownii</i> | | | | | | | x | | | | | | | | | x | |
| <i>Digitaria ctenantha</i> | | | | | | | | | | | | | | | | x | |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Diplachne fusca</i> subsp. <i>fusca</i> | | | | x | | | | | | | | | | | | | x |
| <i>Diplopeltis stuartii</i> var. <i>stuartii</i> | | | | | | | x | | | | | | | | | | |
| <i>Dissocarpus paradoxus</i> | | | x | | | | | | | | | | | | | | |
| <i>Dodonaea coriacea</i> | x | | | | | | | | | | x | | x | | | x | |
| <i>Dolichocarpa crouchiana</i> | x | x | | x | x | | x | x | | x | x | x | x | | | x | |
| <i>Duperreya commixta</i> | x | | | | | | | | | | x | | x | x | | x | x |
| <i>Dysphania ?kalpari</i> | | | | | | | | | | | | | x | | | x | |
| <i>Dysphania ?plantaginella</i> | x | x | | x | | | x | x | | | | | | | | x | |
| <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> | x | x | | x | x | | x | x | | x | x | x | | x | x | x | x |
| <i>Dysphania sphaerosperma</i> | x | x | | x | | | x | x | x | | | x | | | | | x |
| <i>Ehretia saligna</i> var. <i>saligna</i> | | | | | | | | | | | | | x | x | | x | x |
| <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> | | | | x | | | | | | | | | | x | | | |
| <i>Enneapogon caerulescens</i> | x | x | x | x | x | x | x | x | x | x | x | x | | x | x | x | x |
| <i>Enneapogon cylindricus</i> | | | | | | | x | | | | | | | | | | |
| <i>Enneapogon lindleyanus</i> | | x | | | | | | | | x | x | x | x | x | | x | x |
| <i>Enneapogon polyphyllus</i> | x | | | | | | x | x | | x | x | x | | | | | |
| <i>Enteropogon ramosus</i> | | | | | | | | | | | | | | | | | x |
| <i>Eragrostis cumingii</i> | | | | x | | x | x | | x | | | | x | | | x | x |
| <i>Eragrostis desertorum</i> | x | x | | x | | | x | x | | | | x | x | | x | x | |
| <i>Eragrostis dielsii</i> | | | | x | | x | | x | x | | | | | | | | |
| <i>Eragrostis eriopoda</i> | x | x | | x | x | x | x | x | | x | x | x | x | | x | x | x |
| <i>Eragrostis falcata</i> | | | | x | | | | | | | | | | | | | |
| <i>Eragrostis olida</i> | x | | | | | | | | | | x | x | x | | | x | |
| <i>Eragrostis tenellula</i> | | | x | x | x | | | | | | | | x | x | | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Eragrostis xerophila</i> | x | | x | x | x | x | x | x | | | | | | x | x | x | |
| <i>Eremophea spinosa</i> | | x | | x | | | | | x | | | | | | | | |
| <i>Eremophila exilifolia</i> | | | | | | | | | | | x | | | | | | |
| <i>Eremophila forrestii</i> subsp. <i>forrestii</i> | | | x | | | x | x | x | | | | | | | | | |
| <i>Eremophila galeata</i> | x | | | | | | | | | | | | | | | | |
| <i>Eremophila latrobei</i> subsp. <i>glabra</i> | | | | | | | | | | | | | x | | | | |
| <i>Eremophila latrobei</i> subsp. <i>latrobei</i> | x | | | | | | x | | | x | x | x | x | | | | |
| <i>Eremophila latrobei</i> subsp. <i>filiformis</i> | x | | | | | | x | | | | | | | | | | |
| <i>Eremophila longifolia</i> | | | | x | | | | | | | | x | | x | | x | |
| <i>Eremophila</i> sp. Rudall River (P.G. Wilson 10512) (P2) | | | x | | x | | | | | | | | | | | | |
| <i>Eriachne aristidea</i> | x | x | | | x | | x | x | | x | x | | x | | | x | |
| <i>Eriachne benthamii</i> | | | | | | | | | | | x | | | x | | x | x |
| <i>Eriachne lanata</i> | x | | | | | | | | | | x | | x | | | | |
| <i>Eriachne mucronata</i> | x | x | | | | | x | | | x | x | x | x | x | | x | x |
| <i>Eriachne obtusa</i> | x | | x | | | x | | | | | | x | | | x | | x |
| <i>Eriachne pulchella</i> subsp. <i>dominii</i> | x | x | x | x | x | | x | x | | x | x | x | x | | | x | x |
| <i>Eriachne pulchella</i> subsp. <i>pulchella</i> | x | | | | x | | x | x | | x | x | x | | | | | |
| <i>Eriachne tenuiculmis</i> | x | x | | | | | | | | | x | x | x | x | | x | x |
| <i>Eriachne</i> sp. Dugald River (B.K. Simon+ 3007) | x | | | | | | | | | x | x | | x | | | x | |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> | | | | | | | | | | | | | | x | | | x |
| <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> | x | | | | | | x | | | | x | | | | | x | |
| <i>Eucalyptus odontocarpa</i> | | | | | | | x | | | | | | x | | | | |
| <i>Eucalyptus victrix</i> | | | | | | | | | | | | | | x | x | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Eulalia aurea</i> | | | | | | | X | | | | | | X | | | X | X |
| <i>Euphorbia australis</i> var. <i>subtomentosa</i> | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| <i>Euphorbia australis</i> var. <i>hispidula</i> | X | | | | | | | X | | | X | | X | | | X | X |
| <i>Euphorbia biconvexa</i> | X | | | | | | X | X | | | | | | | | X | X |
| <i>Euphorbia boophthona</i> | X | X | | X | X | | X | X | | | X | X | X | X | | X | |
| <i>Euphorbia careyi</i> | | | | X | | | | | | X | X | X | | X | | X | X |
| <i>Euphorbia clementii</i> (P3) | X | | | | | | X | | | | | | X | | | | |
| <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> (P2) | | | | | | | | | | | | | | X | | | |
| <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> | X | X | | X | X | X | X | X | | X | X | X | X | X | | X | |
| <i>Euphorbia trigonosperma</i> | X | | | X | X | X | X | X | X | | X | | X | X | X | X | X |
| <i>Euphorbia vaccaria</i> var. <i>vaccaria</i> | X | X | X | X | X | X | X | X | | X | X | X | | X | X | X | X |
| <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | X |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> | X | | | X | X | X | X | X | | X | X | X | X | X | | X | X |
| <i>Ficus brachypoda</i> | | | | | | | | | | | | X | | | | | X |
| <i>Fimbristylis dichotoma</i> | X | X | X | | X | X | X | | X | X | X | X | X | | | X | |
| <i>Fimbristylis microcarya</i> | | | | | | | | | | | | | | | | | X |
| <i>Fimbristylis rara</i> | | | | | | | | | | | | | | | | | X |
| <i>Fimbristylis simulans</i> | X | X | | | | | | | | X | X | X | X | | | X | |
| <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> | | | | | | | | | | | | X | | | | X | X |
| <i>Gompholobium polyzygum</i> | | | | | | | | | | | X | | X | | | | |
| <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> | | | X | X | X | X | | X | X | | X | | | | | | |
| <i>Gomphrena cunninghamii</i> | X | X | | | X | X | X | X | X | X | X | X | X | | X | X | |
| <i>Goodenia armitiana</i> | | | | | | | X | | | | | | | | | | |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Goodenia azurea</i> subsp. <i>hesperia</i> | | | | | | | | x | | | | | | | | | |
| <i>Goodenia connata</i> | | | | | | | | | | | | | x | | | | |
| <i>Goodenia cusackiana</i> | x | | | | x | | | x | | | x | | | | | | x |
| <i>Goodenia microptera</i> | x | x | | x | x | x | x | x | | x | x | x | x | | x | x | x |
| <i>Goodenia muelleriana</i> | x | x | x | x | x | | x | x | | x | x | x | x | | x | x | |
| <i>Goodenia pedicellata</i> (P1) | | x | | | | | | | | | | | | | | | |
| <i>Goodenia stobbsiana</i> | x | | | x | | x | x | x | | x | x | x | x | | | x | |
| <i>Goodenia triodiophila</i> | x | | | | | | | | | | x | | x | | | | |
| <i>Gossypium australe</i> | x | | | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Gossypium robinsonii</i> | | | | | | | x | | | x | | | x | x | | x | x |
| <i>Grevillea berryana</i> | | | | | | | | | | | x | | x | | | | |
| <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i> | x | | | | | | | x | | x | x | x | | x | | x | x |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> | x | x | | | x | x | x | x | | x | x | x | x | x | | x | x |
| <i>Gymnema erectum</i> | | | | | | | | | | | x | | | | | | |
| <i>Hakea divaricata</i> | x | | | | | | | | | | | | | | | | |
| <i>Hakea lorea</i> subsp. <i>lorea</i> | x | x | | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Haloragis gossei</i> var. <i>gossei</i> | x | | | x | x | | x | x | | | x | | x | | | x | x |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed) | x | x | | x | x | x | x | x | | x | x | x | x | x | | x | |
| <i>Heliotropium chrysocarpum</i> | x | x | | x | x | | x | x | | | x | x | x | | | x | |
| <i>Heliotropium crispatum</i> | x | x | x | x | x | | x | x | | x | x | x | | x | | x | x |
| <i>Heliotropium cunninghamii</i> | x | | x | x | | | x | x | | x | x | x | x | | | x | x |
| <i>Heliotropium glabellum</i> | x | | | | | | | | | x | x | | | | | | |
| <i>Heliotropium heteranthum</i> | | | | x | x | | | x | | | | | | | | | |
| <i>Heliotropium skeleton</i> | | | | | | | | | | | x | | | | | | |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Heliotropium tenuifolium</i> | x | x | | | x | | x | x | | x | x | x | x | | | x | |
| <i>Hibiscus brachyclaenus</i> | x | | | | | | x | x | | | | x | x | | | | |
| <i>Hibiscus burtonii</i> | | | | | | | x | | | | | | | | | | |
| <i>Hibiscus coatesii</i> | x | | | | x | | x | x | | x | x | x | x | | | x | x |
| <i>Hibiscus leptocladus</i> | | | | | | | x | x | | | | x | | | | x | |
| <i>Hibiscus sturtii</i> | | | | x | | | x | x | | x | | | | | | | |
| <i>Hibiscus sturtii</i> var. <i>platyklamys</i> | | | x | x | x | x | x | | | x | | | x | | x | x | |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> | x | x | | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Hypertelis cerviana</i> | | | | | | | | x | | | | | | | x | | |
| <i>Indigofera colutea</i> | x | | | x | x | | x | x | x | | | x | | x | x | x | x |
| <i>Indigofera linifolia</i> | | | x | x | | | x | x | | | | | | x | | | x |
| <i>Indigofera linnaei</i> | | | | x | | x | x | | | | | | | x | x | x | |
| <i>Indigofera monophylla</i> | x | x | | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Indigofera trita</i> subsp. <i>trita</i> | x | | | x | x | x | x | x | | | x | x | | x | x | x | x |
| <i>Ipomoea coptica</i> | | | | | | | | | | | | | | | | | x |
| <i>Ipomoea muelleri</i> | | | | x | x | x | x | x | | | | | x | x | x | x | x |
| <i>Ipomoea polymorpha</i> | | x | | x | | x | x | x | x | | | | | x | x | x | x |
| <i>Iseilema dolichotrichum</i> | | x | x | x | x | | x | x | | x | | | | | | | |
| <i>Isotropis atropurpurea</i> | x | | | | | | x | | | | x | | x | | | x | |
| <i>Josephinia eugeniae</i> | | | | x | | | | x | | | | | | x | | | |
| <i>Kohautia australiensis</i> (P2) | | | | | | | x | x | | | | | | | | x | |
| <i>Lawrenca densiflora</i> | x | | | x | | | | | x | | | | | | | | |
| <i>Lepidium amelum</i> (P1) | | x | | x | | | | | | | | | | | | | |
| <i>Lepidium pholidogynum</i> | x | | | x | x | | | | x | | | | | | | | |
| <i>Lobelia arnhemiaca</i> | | | | | | | | | | | | | | | | | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Maireana melanocoma</i> | x | | | | | | | x | x | | | | | | | | |
| <i>Maireana tomentosa</i> subsp. <i>tomentosa</i> | | | | | | x | | | | | | | | | | | |
| <i>Maireana villosa</i> | x | | | | x | | | | | | | | | | | | |
| * <i>Malvastrum americanum</i> | | | | x | | | | | | | | | | x | | x | x |
| <i>Marsilea ?exarata</i> | | | | | | | | | | | | | | | | | x |
| <i>Marsilea hirsuta</i> | | | | | | | | | | | | | | | | | x |
| <i>Melaleuca eleuterostachya</i> | | | | | | | x | | | | | | | | | | |
| <i>Melaleuca glomerata</i> | | | | | | | | | | | | | | | | | x |
| <i>Melhania oblongifolia</i> | x | | | x | x | | x | x | | | x | x | x | x | | x | x |
| <i>Mirbelia viminalis</i> | x | | | | | | | | | | | | x | | | x | |
| <i>Najas marina</i> | | | | | | | | | | | | | | | | | x |
| <i>Najas tenuifolia</i> | | | | | | | | | | | | | | | | | x |
| <i>Neptunia</i> sp. | | | | | x | | | | | | | | | | | | |
| <i>Nicotiana benthamiana</i> | | x | | | | | | | | x | x | x | | | | x | x |
| <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i> | | | | | | | | | | | | x | | | | | x |
| <i>Notoleptopus decaisnei</i> | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x | x |
| <i>Operculina aequisejala</i> | | | | | | | | | | | | | | x | | x | x |
| <i>Panicum decompositum</i> | | | | | | | | | | | | | | | | | x |
| <i>Paraneurachne muelleri</i> | x | x | | | x | | x | x | x | x | x | x | x | x | x | x | x |
| <i>Paranotis pterospora</i> | | | | | | | | x | | | | | | | | | |
| <i>Paspalidium clementii</i> | x | x | | x | x | | x | x | | x | x | x | x | x | | x | |
| <i>Paspalidium rarum</i> | x | | | | | | x | | | x | x | x | x | | | x | |
| <i>Paspalidium tabulatum</i> | | x | | | x | | x | x | | | x | x | | | | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i> | | | | | | | | | | | X | X | X | X | | X | |
| <i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768) | | | | | | | | | | | | | | | | | X |
| <i>Perotis rara</i> | | | | | | | X | X | | | | | X | | | X | |
| <i>Petalostylis labicheoides</i> | X | X | | X | X | | X | X | | | X | X | X | X | | X | X |
| <i>Phyllanthus erwinii</i> | | | | | | | X | | | | | X | | X | | X | X |
| <i>Phyllanthus maderaspatensis</i> | | | | X | X | | X | X | | | | | | X | | X | X |
| <i>Pluchea dentex</i> | X | | | X | X | X | | X | | | X | | X | | | X | X |
| <i>Pluchea ferdinandi-muelleri</i> | X | | | X | | X | X | X | X | | X | | X | X | X | X | |
| <i>Pluchea rubelliflora</i> | | | | X | | X | | | X | | | | | X | | | X |
| <i>Pluchea tetranthera</i> | X | X | | X | X | X | X | X | X | | X | | X | X | X | X | X |
| <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i> | X | X | | | X | X | X | X | X | X | X | X | X | X | X | X | X |
| <i>Polycarpaea holtzei</i> | X | X | | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| <i>Polycarpaea involucrata</i> | | | | | | | | | | | X | | | | | | |
| <i>Polycarpaea longiflora</i> | X | | | | X | | X | X | | X | X | X | X | X | | X | X |
| <i>Polygala glaucifolia</i> | X | X | | X | X | | X | X | | X | X | X | X | X | | | |
| <i>Polymeria mollis</i> | X | | | X | | X | X | X | | | X | X | X | X | X | X | X |
| <i>Portulaca cyclophylla</i> | X | | X | X | X | | | X | | | | | | | | | |
| <i>Portulaca decipiens</i> | X | | | | | | | | | | | X | | | | | |
| <i>Portulaca filifolia</i> | | | | | | | | | | | | | | X | X | | |
| <i>Portulaca oleracea</i> | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| <i>Potamogeton tepperi</i> | | | | | | | | | | | | | | | | | X |
| <i>Pterocaulon serrulatum</i> var. <i>velutinum</i> | | | | X | X | | X | X | | | X | X | X | | | X | X |
| <i>Pterocaulon sphacelatum</i> | X | | | X | X | X | X | X | X | | X | X | X | X | X | X | X |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Pterocaulon sphaeranthoides</i> | | | | | X | | | | | | | | | X | | | |
| <i>Ptilotus aevroides</i> | | | X | | | | | | | | | | | | | | |
| <i>Ptilotus astrolasius</i> | X | X | | | X | | X | X | | X | X | X | X | | | X | X |
| <i>Ptilotus auriculifolius</i> | X | | | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| <i>Ptilotus axillaris</i> | X | X | | X | X | | X | X | X | X | X | X | X | | | X | |
| <i>Ptilotus calostachyus</i> | X | | | | | | X | X | | X | X | X | X | | | X | |
| <i>Ptilotus ?carinatus</i> | | | | | | | | | | | | | X | | | | |
| <i>Ptilotus clementii</i> | X | X | | X | X | X | X | X | | X | X | X | X | X | | X | |
| <i>Ptilotus exaltatus</i> | X | X | X | X | X | | X | X | | X | X | X | X | X | X | X | X |
| <i>Ptilotus fusiformis</i> | X | | | | X | | X | X | | X | X | X | X | | | X | |
| <i>Ptilotus helipteroides</i> | X | | | | | | | | | X | X | | | | | | |
| <i>Ptilotus incanus</i> | X | | | | | | X | | | | X | | | | | | |
| <i>Ptilotus murrayi</i> | | | X | X | | X | | | | | | | | X | | | |
| <i>Ptilotus obovatus</i> | X | X | | X | | | X | X | | X | X | X | | X | X | X | X |
| <i>Rhagodia eremaea</i> | | | X | X | X | | | X | | | | X | | | | | X |
| <i>Rhynchosia minima</i> | X | | | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| <i>Roepera iodocarpa</i> | | | | | | | X | | | | | | | | | | |
| <i>Salsola australis</i> | X | | X | X | X | | X | | | X | | | X | | | X | |
| <i>Santalum lanceolatum</i> | | | | | | | | | | | | | | X | | X | X |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> | X | X | | X | X | X | X | X | | | | X | X | X | | X | |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> | X | | | | | | | | | | X | | | | | | |
| <i>Scaevola parvifolia</i> subsp. <i>pilbarae</i> | | | | | | | | X | | | | | | | | X | |
| <i>Scaevola spinescens</i> | | | | X | | | X | | | | | | | X | | X | |
| <i>Schizachyrium fragile</i> | X | | | | | | X | | | X | X | | X | | | | |
| <i>Schoenoplectus subulatus</i> | | | | | | | | | | | | | | | | | X |

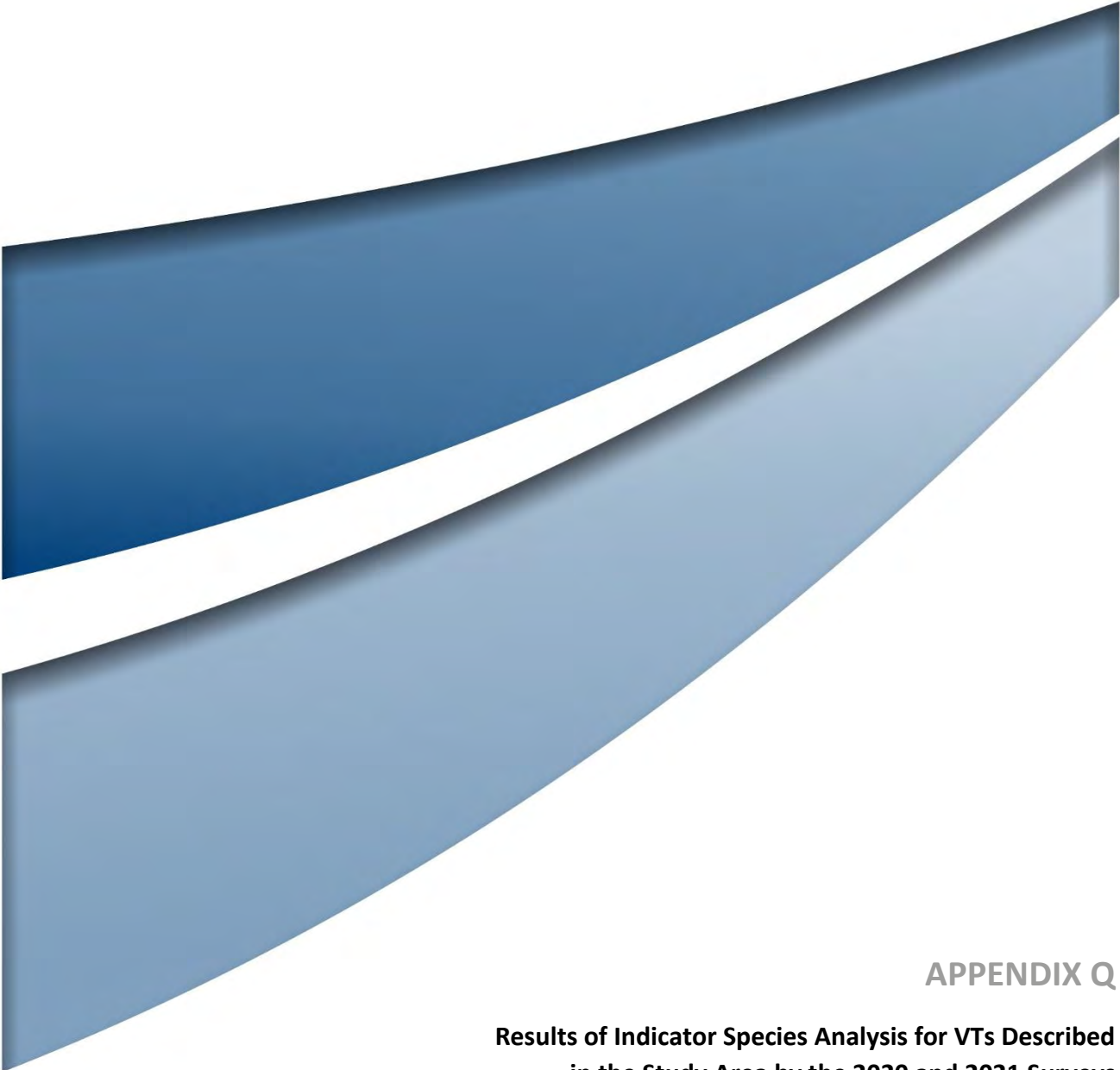
| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> | | | | X | X | | | | X | | | | | | | | |
| <i>Sclerolaena cornishiana</i> | X | X | | X | X | | X | X | X | X | | | | | | | |
| <i>Sclerolaena costata</i> | X | X | X | X | X | X | | X | | | | | | | | | |
| <i>Sclerolaena crenata</i> | X | | | X | X | X | | X | X | | | | | | | | |
| <i>Sclerolaena cuneata</i> | | | | | | X | | | | | | | | | | | |
| <i>Sclerolaena densiflora</i> | X | | X | | X | | X | X | X | | X | | | | X | | |
| <i>Sclerolaena ?gardneri</i> | X | | | | | | | | | | | | | | | | |
| <i>Sclerolaena lanicuspis</i> | | | X | X | | | | | | | | | | | | | |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> | X | X | | X | X | X | X | X | | X | X | X | | | | X | |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> x <i>oligophylla</i> | X | X | | X | X | | X | X | | | | X | | | | X | |
| <i>Senna artemisioides</i> subsp. <i>oligophylla</i> | X | X | | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| <i>Senna artemisioides</i> subsp. x <i>sturtii</i> | | | | | | | | | | X | | | | X | | X | |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> | X | X | | | X | X | X | X | | X | X | X | X | | | X | X |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> | X | X | | X | | | X | X | | X | X | X | | | | | |
| <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> | X | X | X | X | X | X | X | X | | X | X | X | X | X | | X | |
| <i>Senna notabilis</i> | X | | X | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| <i>Senna sericea</i> | X | X | | | | | X | X | | | X | X | | | | | |
| <i>Senna stricta</i> | X | | | | | | | | | | | | | | | | |
| <i>Senna symonii</i> | X | X | | X | X | | X | X | | X | X | X | X | | | X | |
| <i>Senna venusta</i> | | | X | | | | | | | | X | X | | | X | X | X |
| <i>Seringia exastia</i> (T) | | | | | | | | | | | | | X | | | | |
| <i>Seringia nephrosperma</i> | X | | | | | | | | | | X | | X | | | X | |
| <i>Sesbania cannabina</i> | | | | | X | | | | | | | | | X | | X | X |
| * <i>Setaria verticillata</i> | | | | | | | | | | | | | | | | | X |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Sida arenicola</i> | | | | | | | | X | | | X | | X | | | X | |
| <i>Sida cardiophylla</i> | X | | | | | | | | | | | | X | | | X | |
| <i>Sida clementii</i> | X | | | | | | | X | | X | | | | X | | X | |
| <i>Sida echinocarpa</i> | X | X | | | X | X | X | X | X | X | X | | X | X | X | X | X |
| <i>Sida fibulifera</i> | X | X | X | X | X | X | X | X | | | X | X | X | X | | X | X |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> | | | | | X | | | X | | | | X | | | | X | X |
| <i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605) | | | | | | | | | | X | X | | X | | | X | |
| <i>Sida</i> sp. Excedentifolia (J.L. Egan 1925) | | | | | | | | | | | X | | | | | | |
| <i>Sida</i> sp. L (A.M. Ashby 4202) | | | | | | | | | | | X | | X | | | | |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) | X | | | | | | X | X | | X | X | X | X | | | X | |
| <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626) | | | | | | | | X | | | | | | | | | |
| <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) | | | | | | | | X | | X | X | | | | | X | |
| <i>Solanum cleistogamum</i> | | X | | | | | | | | | | | | | | | |
| <i>Solanum diversiflorum</i> | X | | | X | X | X | X | X | | | X | X | X | X | | X | X |
| <i>Solanum gabrielae</i> | X | | | | X | | | | | | X | X | X | | | X | |
| <i>Solanum horridum</i> | X | | | X | | | X | X | | X | X | X | X | | | X | X |
| <i>Solanum lasiophyllum</i> | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X |
| * <i>Solanum nigrum</i> | | | | | | | | | | | | | | | | | X |
| <i>Solanum ?phlomoides</i> | | | | | | | | | | | X | | | | | | X |
| <i>Solanum phlomoides</i> | X | X | | X | X | | X | X | | X | X | X | X | | X | X | X |
| * <i>Sonchus oleraceus</i> | | | | | | | | | | | | | | | | | X |
| <i>Sporobolus actinocladus</i> | X | | X | X | | | | | X | | | | | X | | | X |
| <i>Sporobolus australasicus</i> | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Stackhousia muricata</i> | x | x | | | | | x | x | | | | x | | | | | |
| <i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041) | | x | | x | | | x | | | | x | x | x | | | x | |
| <i>Stemodia grossa</i> | x | | | x | | x | x | x | | | x | x | x | x | | x | x |
| <i>Stemodia viscosa</i> | | | | x | x | | x | | | | | | | | | | x |
| <i>Streptoglossa bubakii</i> | | x | | x | x | | x | | | | | | | | | | x |
| <i>Streptoglossa decurrens</i> | x | | | x | x | | x | x | | | | | x | x | | x | x |
| <i>Streptoglossa macrocephala</i> | x | | | | | | x | x | | | | | | | x | | |
| <i>Striga squamigera</i> | | | | | | | | | | | x | | | x | | x | x |
| <i>Stylobasium spathulatum</i> | | | | | | | x | | | | | | | | | x | |
| <i>Swainsona decurrens</i> | | | | x | x | | x | x | | | | x | | | | | |
| <i>Swainsona formosa</i> | x | | | | | | | | | | | | | | | x | |
| <i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i> | x | | | | x | x | x | x | x | | | | | | | x | |
| <i>Tephrosia densa</i> | | | | | | | | | | x | x | x | | | | | |
| <i>Tephrosia rosea</i> var. <i>rosea</i> | | | | | | | | | | | | | x | | | x | x |
| <i>Tephrosia rosea</i> var. <i>clementii</i> | x | | | x | | | x | x | | x | x | x | x | x | x | x | x |
| <i>Tephrosia supina</i> | x | x | x | x | x | x | x | x | | | x | x | | x | | x | x |
| <i>Tephrosia virens</i> | | | | | | | | | | | | | x | | | | |
| <i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601) | | | | | | | x | x | | | x | | | | | | |
| <i>Tephrosia</i> sp. Northern (K.F. Kenneally 11950) | x | | | x | | | x | | | | | | | | | | |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | x | | | x | x | | x | x | | x | x | x | x | | | x | |
| <i>Themeda triandra</i> | | | | | | | x | | | | x | x | x | x | | x | x |
| <i>Tinospora smilacina</i> | x | | | | | | | x | | | x | x | | | | x | |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Trachymene oleracea</i> subsp. <i>oleracea</i> | x | x | | x | x | | x | x | x | x | x | x | x | | | x | |
| <i>Tragus australianus</i> | x | | | | x | | | x | | | | | | x | | | |
| <i>Trianthema cusackianum</i> | | | | x | | | | | x | | | | | | | | |
| <i>Trianthema glossostigmum</i> | | | | | | | | | | | | | x | | | | |
| <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i> | | | x | | x | | | | | | | | | | | | |
| <i>Trianthema pilosum</i> | | | | x | | x | | x | | | x | | x | | x | x | |
| * <i>Trianthema portulacastrum</i> | | | | | | | | | | | | | | x | | | x |
| <i>Trianthema triquetrum</i> | x | | x | x | x | x | x | x | x | | x | | | x | x | x | x |
| <i>Tribulopsis angustifolia</i> | | | | | | x | x | x | | | x | | x | x | | x | |
| <i>Tribulus hirsutus</i> | x | x | | x | x | | x | x | | x | x | x | x | x | | x | |
| <i>Tribulus macrocarpus</i> | | | | | | | | x | | | | | x | | | | |
| <i>Tribulus minutus</i> (P1) | x | x | | | | | x | | | | | x | | | | | |
| <i>Tribulus occidentalis</i> | | | | | | | | x | x | | | | | | | | |
| <i>Tribulus platypterus</i> | | | | | | | x | | | | | x | | | | | |
| <i>Tribulus suberosus</i> | x | | | | | | | | | x | x | x | x | | | | |
| * <i>Tribulus terrestris</i> | | x | | x | | x | | x | | | | | | x | | x | x |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666) | | | | x | | | x | x | | | | x | | | | x | |
| <i>Trichodesma zeylanicum</i> | x | x | | | x | x | x | x | | | x | x | x | x | | x | x |
| <i>Trigastrotheca molluginea</i> | x | | | | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Triodia angusta</i> | | | | x | x | x | x | x | x | | | | | | | | |
| <i>Triodia basedowii</i> | | | | | | | | | | | x | | x | | | x | |
| <i>Triodia brizoides</i> | x | | x | | | | | | | x | x | | | | | | x |
| <i>Triodia epactia</i> | x | x | | x | x | x | x | x | x | x | x | x | x | x | x | x | x |

| Taxon | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 | W2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|----|
| <i>Triodia longiceps</i> | x | x | | x | x | x | x | x | x | | x | x | | x | x | x | x |
| <i>Triodia scintillans</i> | x | x | | x | x | | x | x | | x | x | x | x | | | x | |
| <i>Triodia wiseana</i> | x | x | x | x | x | x | x | x | | x | x | x | x | x | x | x | x |
| <i>Tripogonella loliiformis</i> | x | | x | | | | | | | | | | | | | | |
| <i>Triraphis mollis</i> | | | | x | | | | x | | | | x | | | | | |
| <i>Triumfetta chaetocarpa</i> | | | | | | | x | x | | | x | x | | | | x | x |
| <i>Triumfetta clementii</i> | | | | | | | | x | | | | | | | x | | |
| <i>Triumfetta johnstonii</i> | | | | | | | x | x | | | x | | x | x | | | x |
| <i>Triumfetta maconochieana</i> | x | | | | | | | | | x | x | | x | | | x | |
| <i>Triumfetta propinqua</i> | | | | | | | x | | | | x | x | x | x | | x | |
| <i>Typha domingensis</i> | | | | | | | | | | | | | | | | | x |
| <i>Urochloa holosericea</i> subsp. <i>velutina</i> | | | | | | | x | | | | | | | | | | |
| * <i>Vachellia farnesiana</i> | | | | x | | | | | | | | | | x | | | x |
| <i>Vigna lanceolata</i> var. <i>lanceolata</i> | | | | | | | | | | | | | | | | | x |
| <i>Wahlenbergia tumidifructa</i> | | | | | | | | | x | | | | | | | x | |
| <i>Waltheria indica</i> | | | | | | | | | | | x | | x | | | x | x |
| <i>Waltheria virgata</i> | x | x | | | | | x | | | | x | x | x | | | x | |
| <i>Xerochloa barbata</i> | | | | x | | | | | | | | | | | | | |
| <i>Yakirra australiensis</i> var. <i>australiensis</i> | x | x | | x | | | x | x | | | | | x | | | x | |
| <i>Zaleya galericulata</i> subsp. <i>galericulata</i> | | | | | | | | | | | | | | | x | | |



APPENDIX Q

**Results of Indicator Species Analysis for VTs Described
in the Study Area by the 2020 and 2021 Surveys**

Note: Shading denotes highest INDVAL values per taxon and VT. INDVAL values are only shown for taxa that were significant at $p < 0.05$. p values are indicated by:

* = $p < 0.05$

** = $p < 0.01$

*** = $p < 0.001$.

| Taxon | INDVAL Value (%) | | | | | | | | | | | | | | | |
|--|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|
| | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 |
| <i>Acacia bivenosa</i> * | 13 | 5 | 0 | 2 | 1 | 0 | 10 | 0 | 0 | 0 | 1 | 3 | 9 | 5 | 0 | 8 |
| <i>Acacia robeorum</i> ** | 21 | 1 | 0 | 5 | 5 | 0 | 11 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Senna sericea</i> * | 15 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Senna symonii</i> *** | 21 | 7 | 0 | 0 | 3 | 0 | 5 | 0 | 0 | 0 | 1 | 1 | 8 | 0 | 0 | 4 |
| <i>Goodenia pedicellata</i> (P1)* | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Tribulus minutus</i> (P1)* | 0 | 13 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| <i>Eragrostis xerophila</i> * | 0 | 0 | 13 | 3 | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| <i>Tripogonella loliiformis</i> * | 1 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> ** | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 17 | 0 |
| <i>Acacia synchronicia</i> ** | 0 | 1 | 13 | 17 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 |
| <i>Sida fibulifera</i> * | 0 | 1 | 3 | 15 | 5 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| <i>Streptoglossa decurrens</i> * | 0 | 0 | 0 | 14 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 |
| <i>Pluchea ferdinandi-muelleri</i> *** | 0 | 0 | 0 | 10 | 0 | 44 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Pluchea tetranthera</i> *** | 1 | 0 | 0 | 13 | 0 | 25 | 1 | 5 | 6 | 0 | 0 | 0 | 0 | 2 | 0 | 5 |
| <i>Senna artemisioides</i> subsp. <i>helmsii</i> ** | 0 | 9 | 0 | 0 | 4 | 18 | 8 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 |
| <i>Stemodia grossa</i> ** | 0 | 0 | 0 | 1 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 5 |
| <i>Tephrosia supina</i> * | 0 | 0 | 0 | 7 | 2 | 12 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Goodenia muelleriana</i> ** | 1 | 2 | 5 | 5 | 8 | 0 | 15 | 8 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 3 |
| <i>Heliotropium chrysocarpum</i> * | 3 | 4 | 0 | 3 | 0 | 0 | 17 | 3 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 1 |

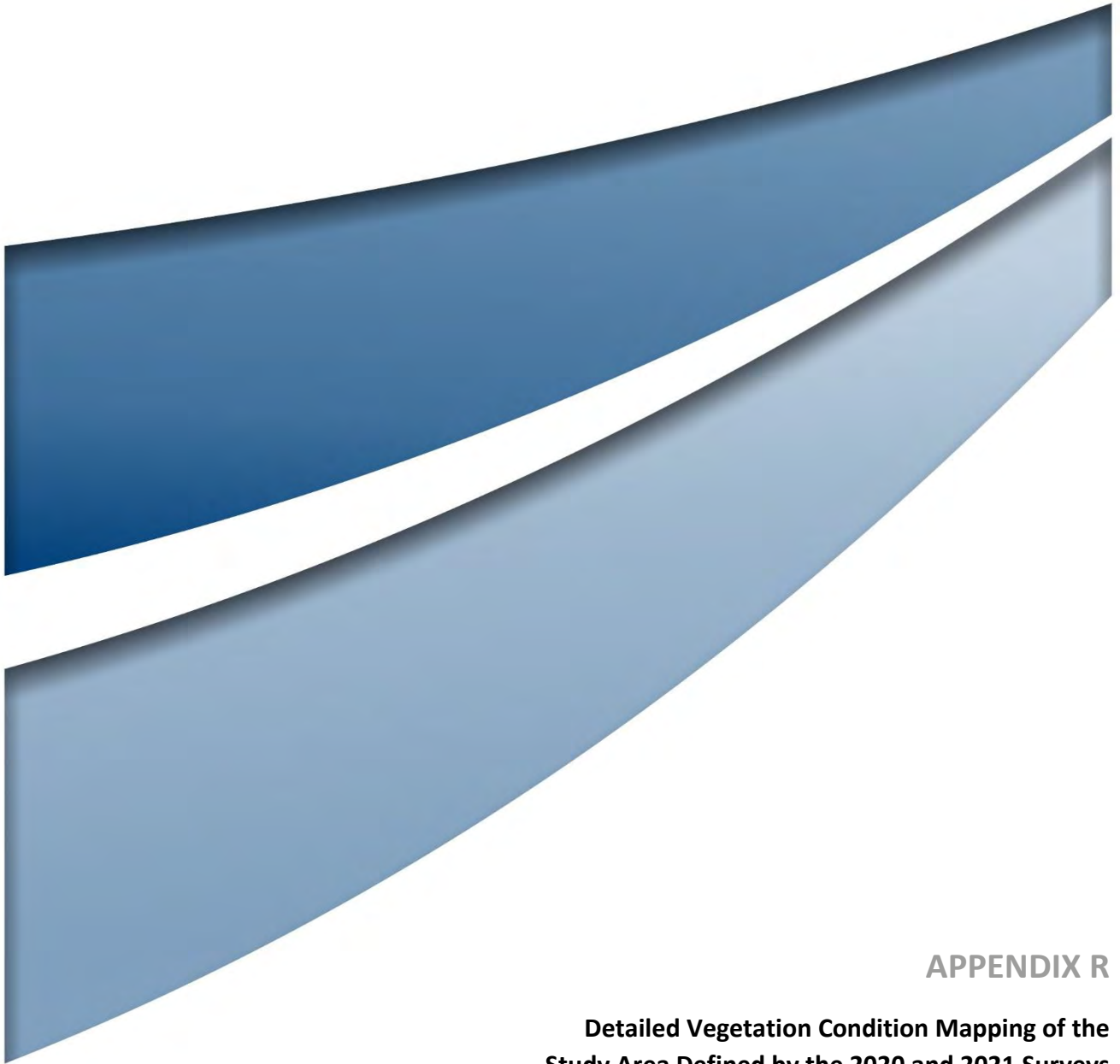
| Taxon | INDVAL Value (%) | | | | | | | | | | | | | | | |
|--|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|
| | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 |
| <i>Scaevola amblyanthera</i> var. <i>centralis</i> * | 0 | 9 | 0 | 2 | 1 | 3 | 11 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 |
| <i>Tribulus hirsutus</i> * | 3 | 5 | 0 | 0 | 1 | 0 | 12 | 7 | 0 | 3 | 1 | 7 | 1 | 0 | 0 | 1 |
| <i>Abutilon</i> sp. Pilbara (W.R. Barker 2025)* | 0 | 0 | 0 | 0 | 4 | 2 | 3 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Bonamia media</i> ** | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| <i>Crotalaria ramosissima</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Goodenia microptera</i> * | 1 | 0 | 0 | 0 | 0 | 5 | 8 | 12 | 0 | 2 | 0 | 0 | 9 | 0 | 0 | 7 |
| <i>Senna notabilis</i> * | 1 | 0 | 0 | 3 | 8 | 3 | 6 | 11 | 0 | 0 | 1 | 0 | 10 | 4 | 3 | 4 |
| <i>Sida</i> sp. Rabbit Flat (B.J. Carter 626)* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Tribulus</i> sp. long-styled eichlerianus (A.S. George 10666)** | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Triodia epactia</i> * | 1 | 0 | 0 | 2 | 4 | 7 | 1 | 10 | 4 | 4 | 3 | 1 | 7 | 0 | 3 | 7 |
| <i>Eremophea spinosa</i> *** | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Lawrencia densiflora</i> * | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Maireana melanocoma</i> ** | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Sclerolaena bicornis</i> var. <i>bicornis</i> ** | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Sclerolaena densiflora</i> * | 2 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Sporobolus actinocladus</i> *** | 0 | 0 | 25 | 1 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| <i>Tribulus occidentalis</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Triodia longiceps</i> ** | 5 | 0 | 0 | 5 | 4 | 14 | 2 | 1 | 19 | 0 | 0 | 0 | 0 | 5 | 0 | 3 |
| <i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618)* | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 14 | 1 | 0 | 0 | 3 | 0 | 2 |
| <i>Acacia inaequilatera</i> ** | 1 | 0 | 1 | 0 | 0 | 9 | 0 | 2 | 0 | 19 | 4 | 1 | 0 | 3 | 0 | 2 |
| <i>Bonamia pilbarensis</i> *** | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 18 | 10 | 12 | 0 | 1 | 1 | 3 |
| <i>Euphorbia careyi</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5 | 0 | 3 | 0 | 1 |
| <i>Senna glutinosa</i> subsp. <i>pruinosa</i> ** | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 2 | 0 | 0 | 0 | 0 | 0 |

| Taxon | INDVAL Value (%) | | | | | | | | | | | | | | | |
|--|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|
| | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 |
| <i>Tephrosia densa</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 7 | 0 | 0 | 0 | 0 |
| <i>Tephrosia</i> sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)* | 3 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 14 | 3 | 0 | 0 | 0 | 0 | 6 |
| <i>Triodia brizoides</i> ** | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 1 | 0 | 0 | 0 | 0 | 0 |
| <i>Acacia adoxa</i> var. <i>adoxo</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 4 | 0 | 0 | 1 |
| <i>Acacia hilliana</i> *** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 2 |
| <i>Calytrix carinata</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 5 | 0 | 0 | 0 |
| <i>Fimbristylis dichotoma</i> * | 3 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 10 | 2 | 10 | 0 | 0 | 0 | 0 | 0 |
| <i>Goodenia triodiophila</i> * | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| <i>Ptilotus calostachyus</i> *** | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 26 | 2 | 6 | 0 | 0 | 1 |
| <i>Scaevola browniana</i> subsp. <i>browniana</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 |
| <i>Tribulus suberosus</i> * | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 6 | 3 | 0 | 0 | 0 |
| <i>Triodia scintillans</i> ** | 7 | 4 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 6 | 15 | 0 | 11 | 0 | 0 | 5 |
| <i>Triumfetta maconochieana</i> * | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 2 |
| <i>Acacia arida</i> *** | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 17 | 17 | 1 | 0 | 7 |
| <i>Corchorus</i> aff. <i>incanus</i> (potentially undescribed)*** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 41 | 0 | 0 | 0 | 15 |
| <i>Cynanchum floribundum</i> * | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 12 | 0 | 1 | 0 | 6 |
| <i>Heliotropium</i> aff. <i>argyreum</i> (potentially undescribed)** | 3 | 8 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 17 | 0 | 1 | 0 | 10 |
| <i>Paspalidium tabulatum</i> * | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 |
| <i>Senna glutinosa</i> subsp. <i>glutinosa</i> * | 5 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 6 | 15 | 2 | 0 | 0 | 4 |
| <i>Triodia wiseana</i> *** | 9 | 11 | 8 | 3 | 9 | 2 | 7 | 4 | 0 | 0 | 1 | 11 | 2 | 2 | 1 | 3 |
| <i>Triumfetta propinqua</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 30 | 0 | 1 | 0 | 5 |
| <i>Acacia acradenia</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 4 |

| Taxon | INDVAL Value (%) | | | | | | | | | | | | | | | |
|--|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|
| | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 |
| <i>Acacia ancistrocarpa</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 1 | 0 | 0 | 20 | 5 | 0 | 10 |
| <i>Acacia tumida</i> var. <i>pilbarensis</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 2 |
| <i>Anthobolus leptomerioides</i> *** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 |
| <i>Aristida inaequiglumis</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 1 |
| <i>Bonamia erecta</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 4 |
| <i>Corchorus sidoides</i> subsp. <i>sidoides</i> ** | 1 | 0 | 0 | 2 | 1 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 18 | 0 | 1 | 2 |
| <i>Dampiera candicans</i> * | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 17 | 0 | 0 | 1 |
| <i>Dicrastylis cordifolia</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 |
| <i>Dodonaea coriacea</i> *** | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 30 | 0 | 0 | 0 |
| <i>Eucalyptus odontocarpa</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 |
| <i>Gompholobium polyzygum</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 |
| <i>Goodenia stobbsiana</i> *** | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 17 | 0 | 24 | 0 | 0 | 9 |
| <i>Abutilon fraseri</i> subsp. <i>fraseri</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 |
| <i>Bothriochloa ewartiana</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 1 |
| <i>Chrysopogon fallax</i> ** | 0 | 0 | 0 | 1 | 0 | 3 | 8 | 1 | 0 | 0 | 0 | 0 | 2 | 19 | 0 | 6 |
| <i>Cucumis variabilis</i> * | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 1 | 0 | 1 | 0 | 2 | 4 | 12 | 3 | 3 |
| <i>Dicladantha forrestii</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 |
| <i>Eremophila longifolia</i> ** | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 |
| <i>Evolvulus alsinoides</i> var. <i>decumbens</i> , <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> ** | 0 | 0 | 1 | 1 | 8 | 0 | 7 | 6 | 1 | 1 | 0 | 0 | 1 | 17 | 0 | 5 |
| <i>Melhantha oblongifolia</i> *** | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 25 | 0 | 16 |
| <i>Themeda triandra</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 12 |
| <i>Acacia trachycarpa</i> ** | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 12 | 23 | 4 |
| <i>Hakea lorea</i> subsp. <i>lorea</i> * | 3 | 1 | 0 | 1 | 0 | 10 | 2 | 5 | 0 | 1 | 2 | 1 | 3 | 3 | 10 | 2 |
| <i>Acacia colei</i> var. <i>colei</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |

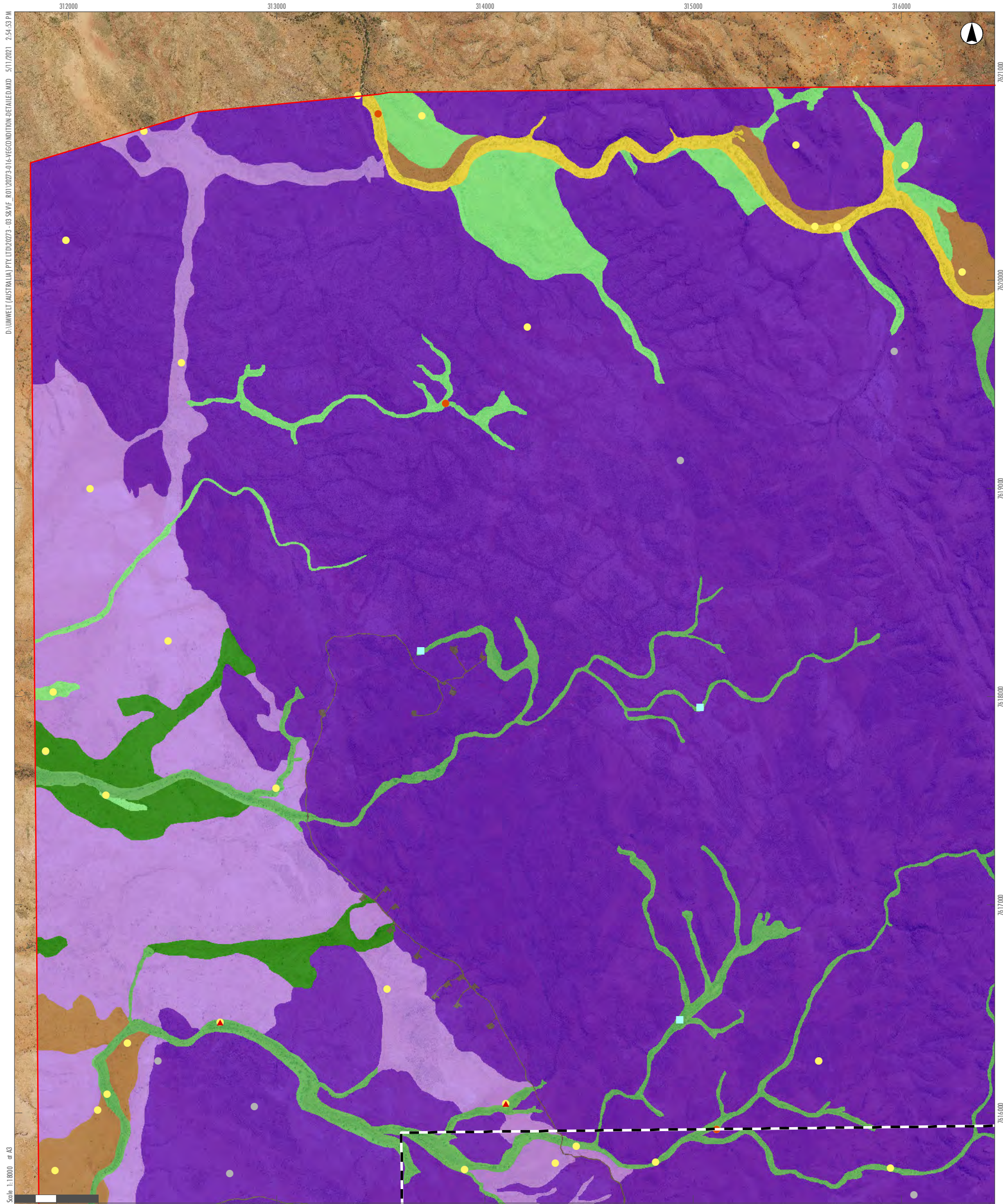
| Taxon | INDVAL Value (%) | | | | | | | | | | | | | | | |
|--|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|
| | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 |
| <i>Acacia monticola</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 14 |
| <i>Acacia ptychophylla</i> * | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 14 |
| <i>Afrohybanthus aurantiacus</i> *** | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 2 | 1 | 11 | 4 | 0 | 19 |
| <i>Bonamia pannosa</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 11 |
| <i>Corymbia hamersleyana</i> ** | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 8 | 5 | 1 | 21 |
| <i>Cymbopogon ambiguus</i> ** | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 2 | 0 | 0 | 24 |
| <i>Eriachne mucronata</i> ** | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 3 | 1 | 0 | 18 |
| <i>Gossypium australe</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 | 0 | 0 | 0 | 9 | 2 | 16 |
| <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> ** | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 12 | 9 | 5 | 0 | 0 | 16 |
| <i>Hibiscus sturtii</i> var. <i>campylochlamys</i> , <i>Hibiscus sturtii</i> var. <i>platychlamys</i> , <i>Hibiscus sturtii</i> ** | 2 | 1 | 0 | 1 | 2 | 1 | 12 | 3 | 0 | 1 | 1 | 3 | 11 | 0 | 0 | 15 |
| <i>Indigofera monophylla</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 11 | 1 | 4 | 2 | 11 | 0 | 19 |
| <i>Isotropis atropurpurea</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 17 |
| <i>Paraneurachne muelleri</i> ** | 1 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 2 | 0 | 0 | 0 | 19 | 2 | 0 | 20 |
| <i>Polymeria mollis</i> * | 0 | 0 | 0 | 2 | 0 | 1 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 16 |
| <i>Sida rohlenae</i> subsp. <i>rohlenae</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 15 |
| <i>Tephrosia rosea</i> var. <i>clementii</i> , <i>Tephrosia rosea</i> var. <i>rosea</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 12 | 1 | 27 |
| <i>Trigastrotheca molluginea</i> ** | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 0 | 9 | 3 | 1 | 0 | 0 | 0 | 14 |
| <i>Triumfetta chaetocarpa</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 16 |
| <i>Waltheria virgata</i> * | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 1 | 0 | 0 | 12 |
| <i>Acacia coriacea</i> subsp. <i>pendens</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 2 | 1 |

| Taxon | INDVAL Value (%) | | | | | | | | | | | | | | | |
|---|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|----|----|-----|----|
| | HG1 | HG2 | HG3 | HG4 | HG5 | HG6 | HG7 | HG8 | HG9 | HG10 | HG11 | HG12 | S1 | S2 | TG1 | W1 |
| <i>Acacia pyrifolia</i> var. <i>morrisonii</i> , <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 14 | 11 | 9 |
| <i>Atalaya hemiglauca</i> *** | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 22 | 20 | 9 |
| <i>Cullen leucanthum</i> ** | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Cyperus vaginatus</i> *** | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Eriachne benthamii</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| <i>Eriachne tenuiculmis</i> * | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> ** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| <i>Eucalyptus victrix</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| <i>Ipomoea muelleri</i> ** | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 12 | 15 | 1 |
| <i>Lobelia arnhemiaca</i> * | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Melaleuca glomerata</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Phyllanthus maderaspatensis</i> *** | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| <i>Pluchea rubelliflora</i> * | 0 | 0 | 0 | 7 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <i>Stemodia viscosa</i> * | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



APPENDIX R

**Detailed Vegetation Condition Mapping of the
Study Area Defined by the 2020 and 2021 Surveys**



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Scale: 1:18000 at A3

GDA2020 MGA Zone 51

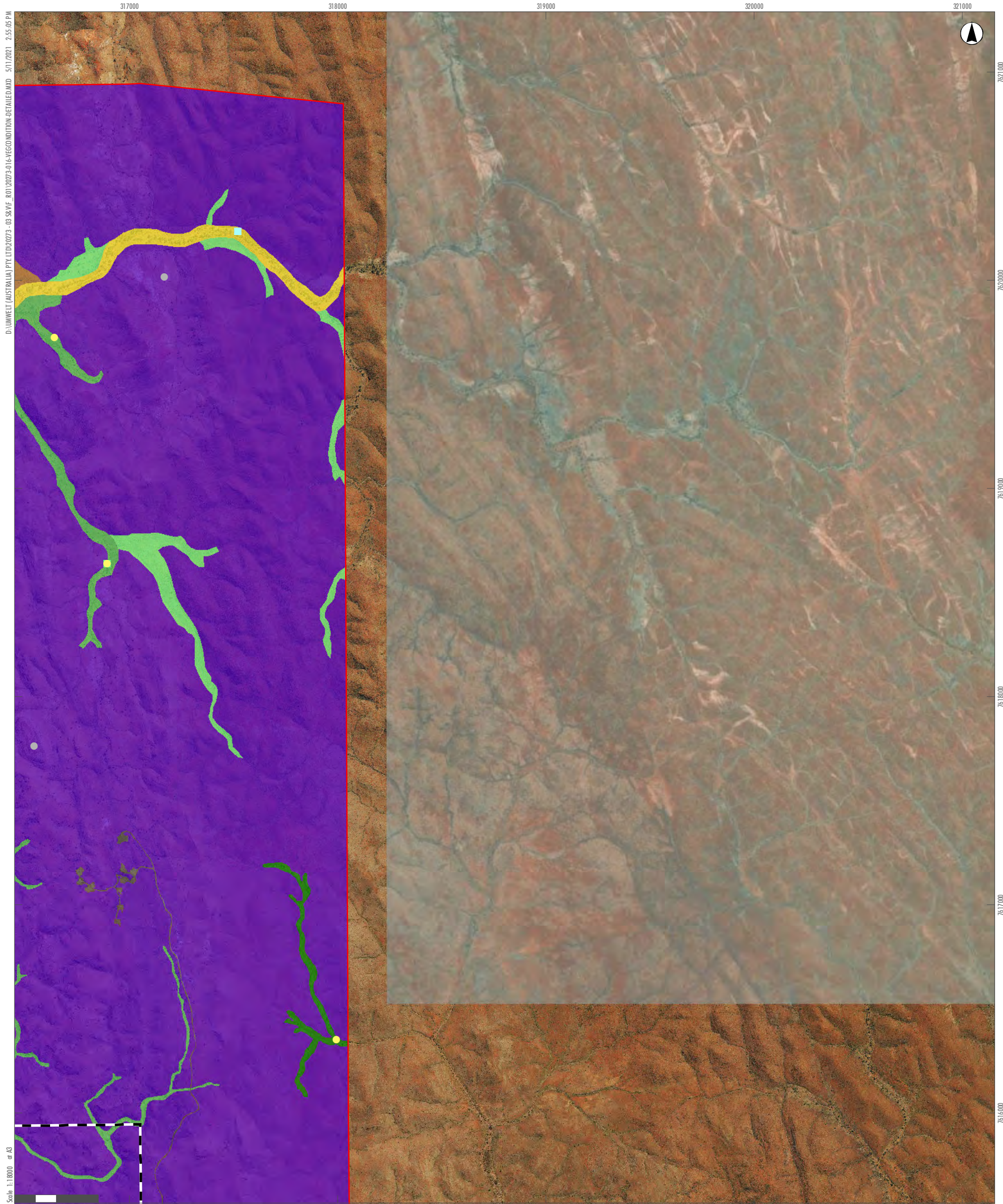
- Legend**
- Study Area
 - Development Envelope
 - Roads
- | | |
|---|--|
| <p>Vegetation Condition</p> <ul style="list-style-type: none"> Excellent Very Good / Excellent Very Good Good / Very Good Good Poor / Good Poor N/A | <p>Introduced Flora</p> <ul style="list-style-type: none"> <i>Aerva javanica</i> <i>Cenchrus ciliaris</i> <i>Citrullus amarus</i> <i>Citrullus colocynthis</i> <i>Malvastrum americanum</i> |
|---|--|

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| 9 | 10 |
| 11 | 12 |

APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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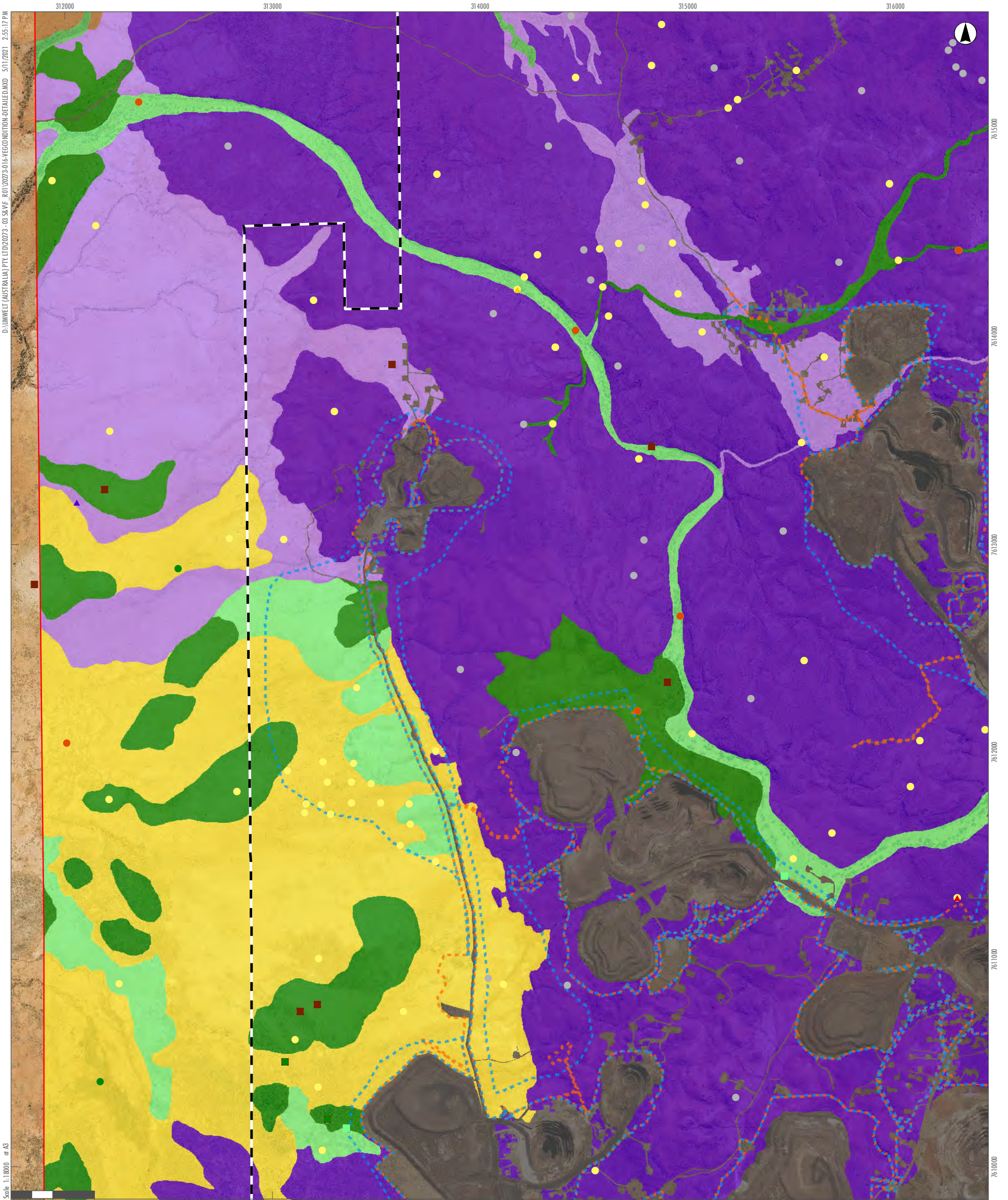
- Legend**
- Study Area
 - Development Envelope
 - Roads
- | | | |
|--|--|--|
| <p>Vegetation Condition</p> <ul style="list-style-type: none"> Excellent Very Good Good / Very Good Good Poor / Good Poor N/A | <p>Introduced Flora</p> <ul style="list-style-type: none"> <i>Aerva javanica</i> <i>Calotropis procera</i> | <ul style="list-style-type: none"> <i>Cenchrus ciliaris</i> <i>Citrullus amarus</i> <i>Malvastrum americanum</i> |
|--|--|--|

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APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Sheet 2



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GDA2020 MGA Zone 51

Legend

- Study Area
- Development Envelope
- Proposed Indicative Expansion Footprint
- Existing Footprint
- Roads

- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Very Good
 - Good / Very Good
 - Good
 - Poor / Good
 - Poor
 - N/A

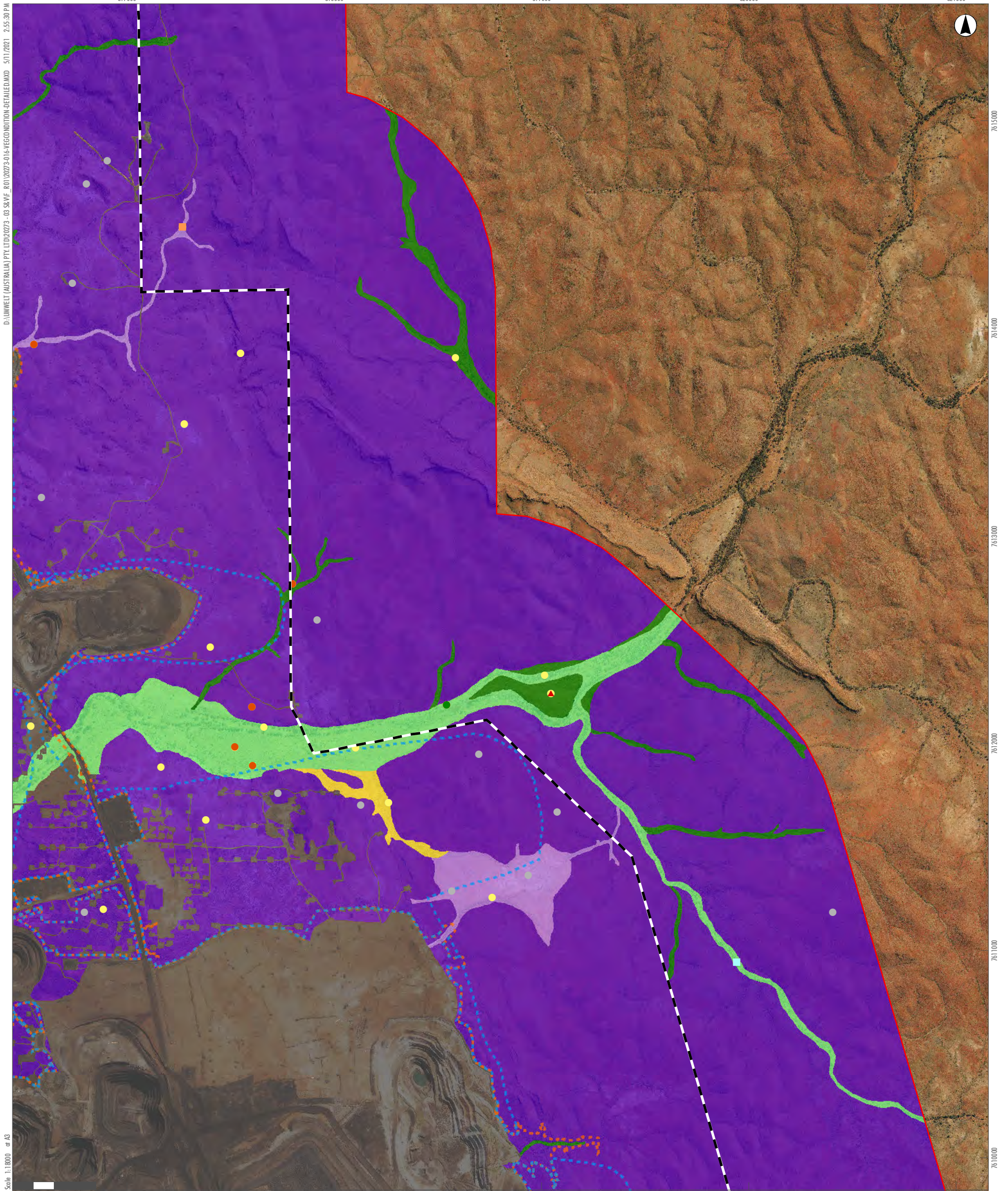
- Introduced Flora**
- Aerva javanica*
 - Calotropis procera*
 - Cenchrus ciliaris*
 - Cenchrus setiger*

- Citrullus amarus*
- Citrullus colocynthis*
- Heliotropium europaeum*
- Malvastrum americanum*
- Tribulus terrestris*
- Vachellia farnesiana*

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| 7 | 8 |
| 9 | 10 |
| 11 | 12 |

APPENDIX R
Detailed Vegetation Condition
Mapping and Introduced Flora Taxa
of the Study Area Defined by the
2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Proposed Indicative Expansion Footprint
 - Existing Footprint
 - Roads

- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Very Good
 - Good
 - Poor / Good
 - N/A

- Introduced Flora**
- Aerva javanica*
 - Calotropis procera*
 - Cenchrus ciliaris*

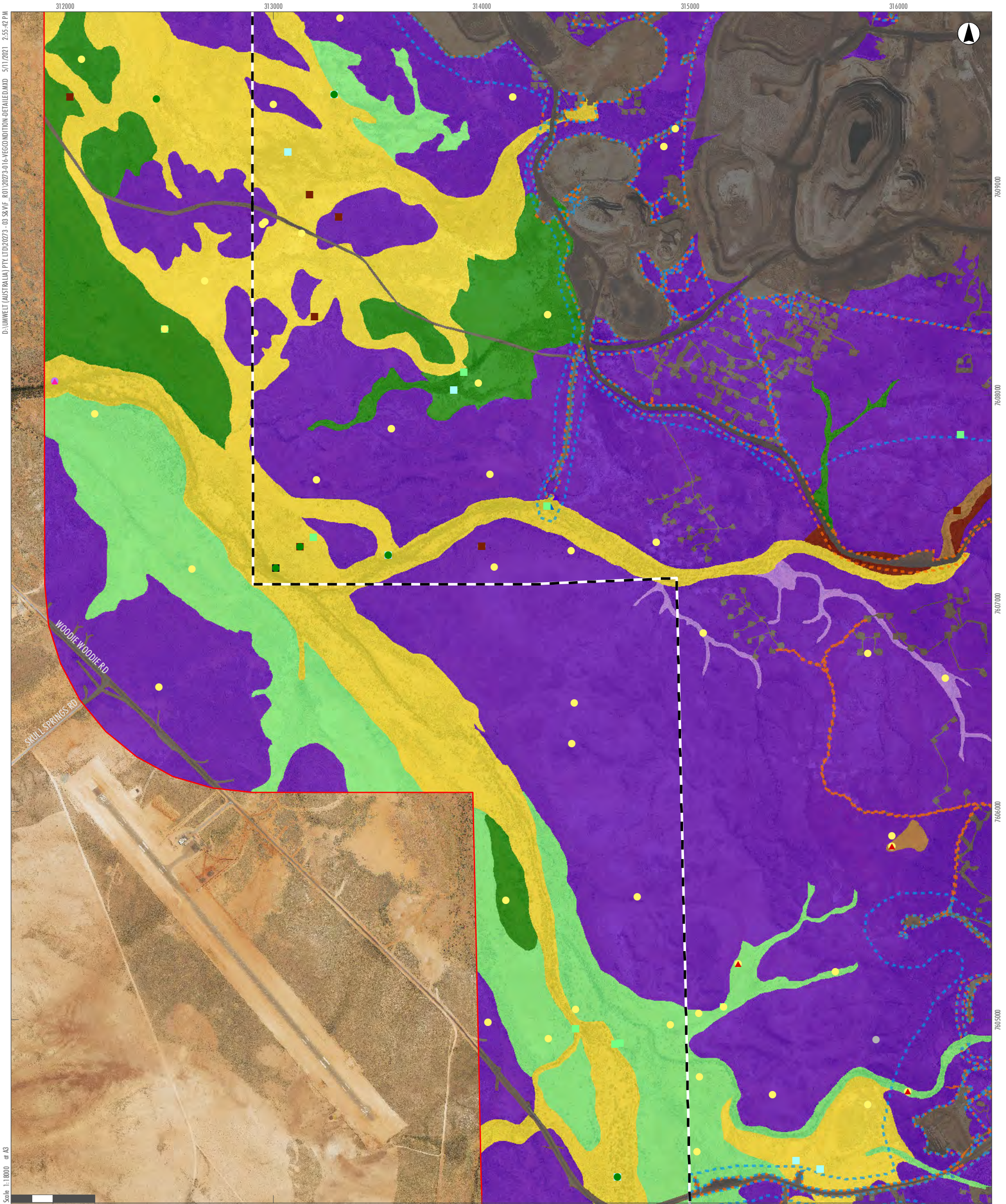
- *Citrullus amarus*
- ▲ *Citrullus colocynthis*
- *Citrullus ?colocynthis*
- *Malvastrum americanum*
- *Vachellia farnesiana*

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APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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GDA2020 MGA Zone 51

Legend

- Study Area
- Development Envelope
- Proposed Indicative Expansion Footprint
- Existing Footprint
- Roads

- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Very Good
 - Good
 - Poor / Good
 - Poor
 - Degraded
 - N/A

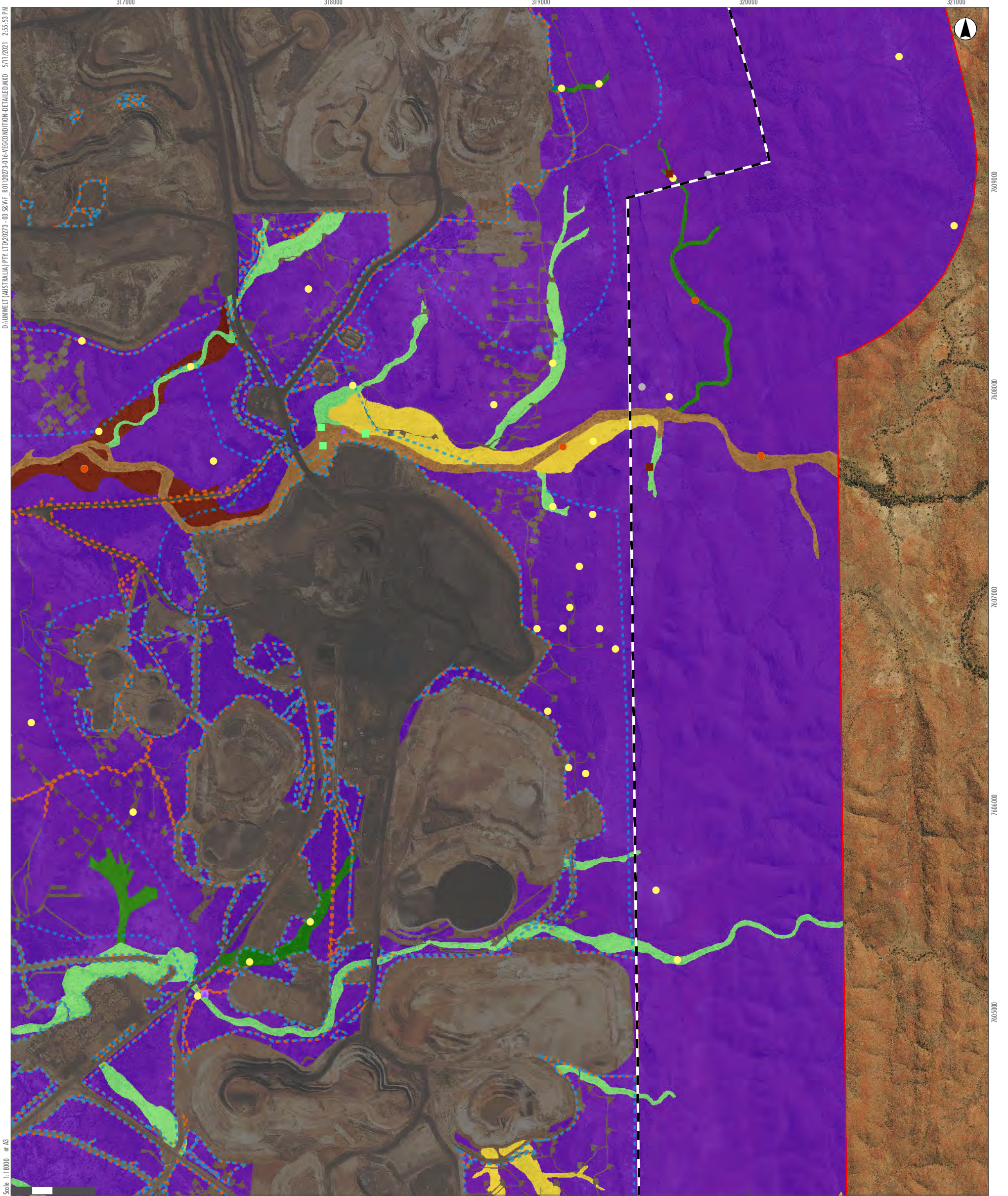
- Introduced Flora**
- Aerva javanica*
 - Argemone ochroleuca* subsp. *ochroleuca*
 - Calotropis procera*
 - Cenchrus ciliaris*
 - Cenchrus setiger*
 - Citrullus amarus*
 - Citrullus colocynthis*

- Cynodon dactylon*
- Datura leichhardtii* subsp. *leichhardtii*
- Heliotropium europaeum*
- Malvastrum americanum*
- Setaria verticillata*
- Solanum nigrum*
- Trianthema portulacastrum*
- Tribulus terrestris*
- Vachellia farnesiana*

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| 11 | 12 |

APPENDIX R
Detailed Vegetation Condition
Mapping and Introduced Flora Taxa
of the Study Area Defined by the
2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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GDA2020 MGA Zone 51

Legend

- | | | | |
|--|---|---|---|
| <ul style="list-style-type: none"> Study Area Development Envelope Proposed Indicative Expansion Footprint Existing Footprint Roads | <p>Vegetation Condition</p> <ul style="list-style-type: none"> Excellent Very Good / Excellent Very Good Good Poor / Good Poor Degraded N/A | <p>Introduced Flora</p> <ul style="list-style-type: none"> <i>Aerva javanica</i> <i>Argemone ochroleuca</i> subsp. <i>ochroleuca</i> <i>Calotropis procera</i> <i>Cenchrus ciliaris</i> <i>Cenchrus setiger</i> | <ul style="list-style-type: none"> <i>Citrus amarus</i> <i>Citrus colocynthis</i> <i>Cynodon dactylon</i> <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i> <i>Trianthema portulacastrum</i> <i>Tribulus terrestris</i> |
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| 11 | 12 |

APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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GDA2020 MGA Zone 51

Legend

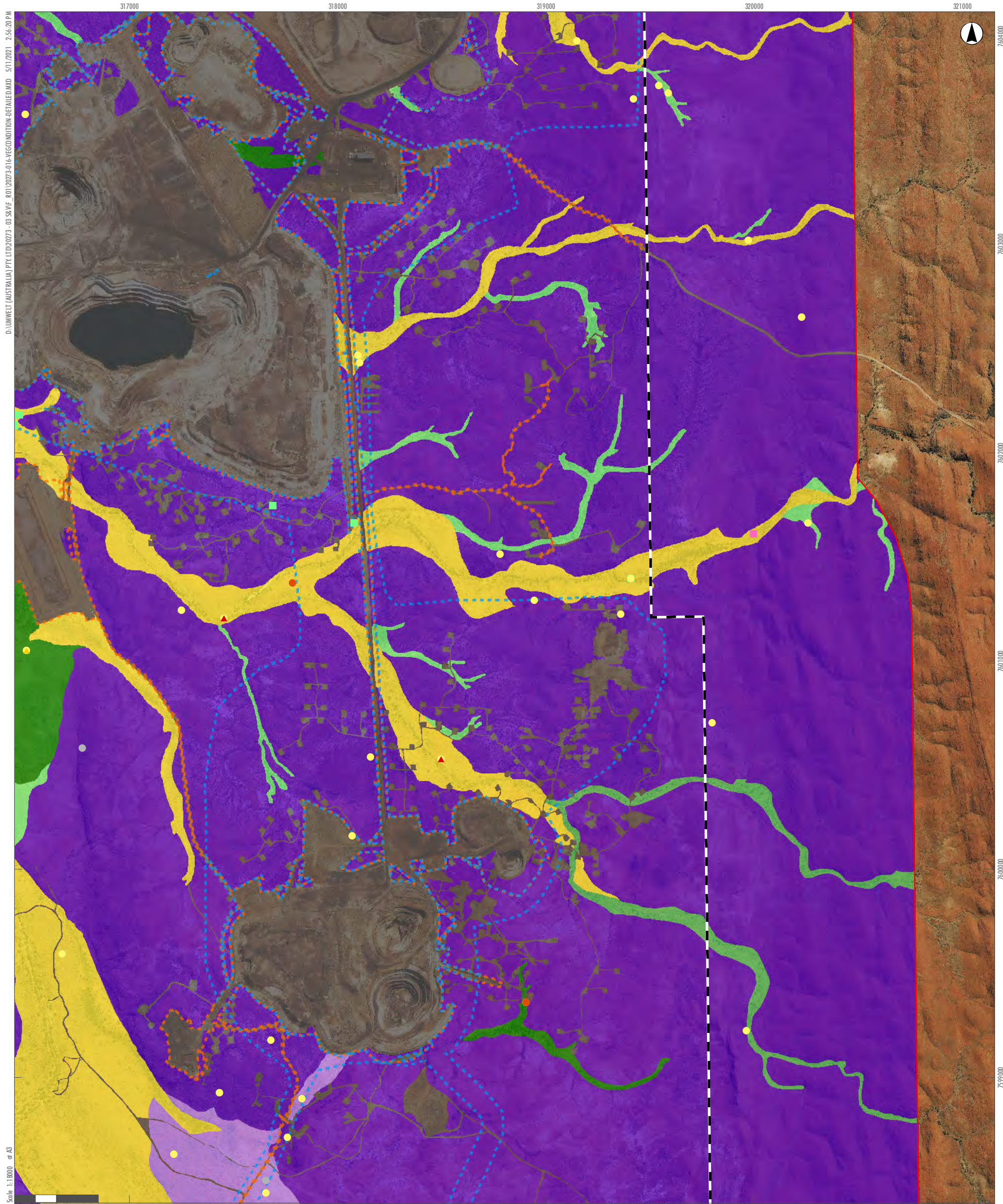
- Study Area
 - Development Envelope
 - Proposed Indicative Expansion Footprint
 - Existing Footprint
 - Roads
-
- | | | |
|--|---|--|
| <p>Vegetation Condition</p> <ul style="list-style-type: none"> Excellent Very Good / Excellent Very Good Good Poor / Good N/A | <p>Introduced Flora</p> <ul style="list-style-type: none"> <i>Aerva javanica</i> <i>Calotropis procera</i> <i>Cenchrus ciliaris</i> <i>Citrullus amarus</i> <i>Citrullus colocynthis</i> <i>Cynodon dactylon</i> <i>Malvastrum americanum</i> <i>Rumex vesicarius</i> <i>Tribulus terrestris</i> <i>Vachellia farnesiana</i> | <ul style="list-style-type: none"> ▲ <i>Citrullus colocynthis</i> ■ <i>Cynodon dactylon</i> ■ <i>Malvastrum americanum</i> ● <i>Rumex vesicarius</i> ■ <i>Tribulus terrestris</i> ● <i>Vachellia farnesiana</i> |
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| 7 | 8 |
| 9 | 10 |
| 11 | 12 |

APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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Scale: 1:10000 at A3

Legend

- Study Area
- Development Envelope
- Proposed Indicative Expansion Footprint
- Existing Footprint
- Roads

- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Very Good
 - Good / Very Good
 - Good
 - Poor / Good
 - N/A

- Introduced Flora**
- Aerva javanica*
 - Calotropis procera*
 - Cenchrus ciliaris*

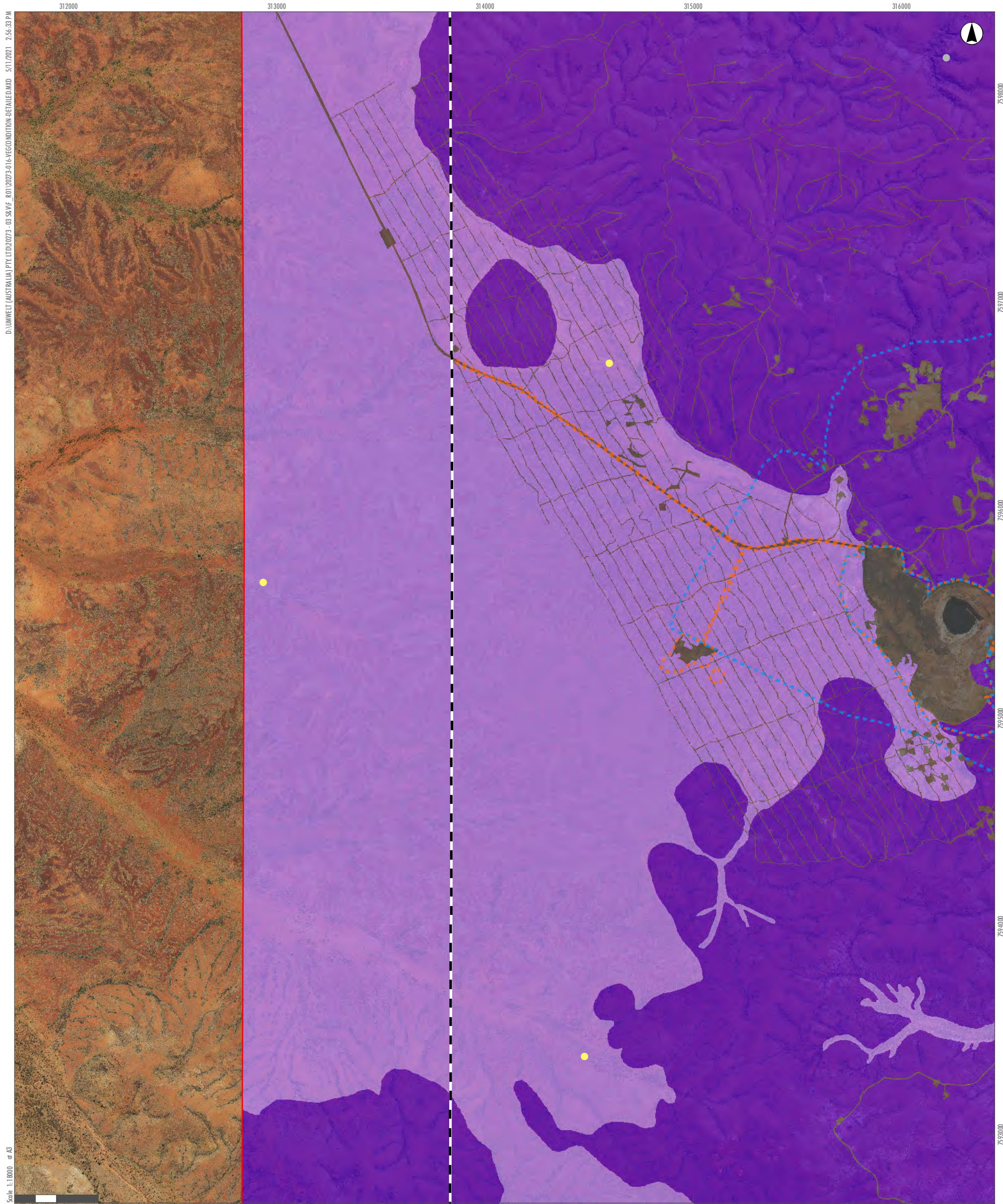
- ▲ *Cenchrus setiger*
- *Citrullus amarus*
- ▲ *Citrullus colocynthis*
- *Cynodon dactylon*

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| 9 | 10 |
| 11 | 12 |

APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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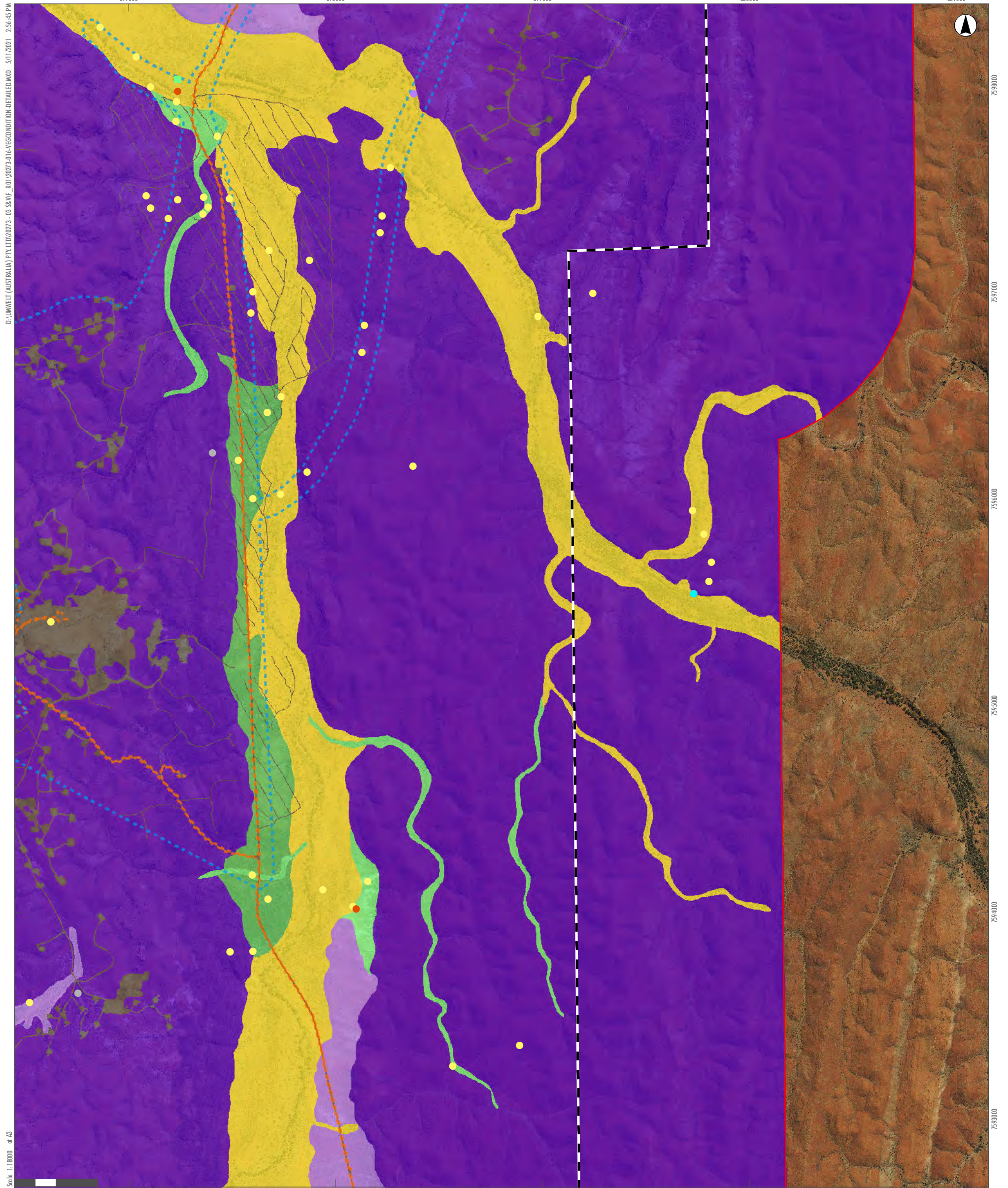
GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Proposed Indicative Expansion Footprint
 - Existing Footprint
 - Roads
- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - N/A
- Introduced Flora**
- Aerva javanica*
 - Cenchrus ciliaris*

| | |
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| 1 | 2 |
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APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys



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Scale: 1:10000 at A3

Legend

- Study Area
- Development Envelope
- Proposed Indicative Expansion Footprint
- Existing Footprint
- Roads

- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Good / Very Good
 - Good
 - Poor / Good
 - N/A

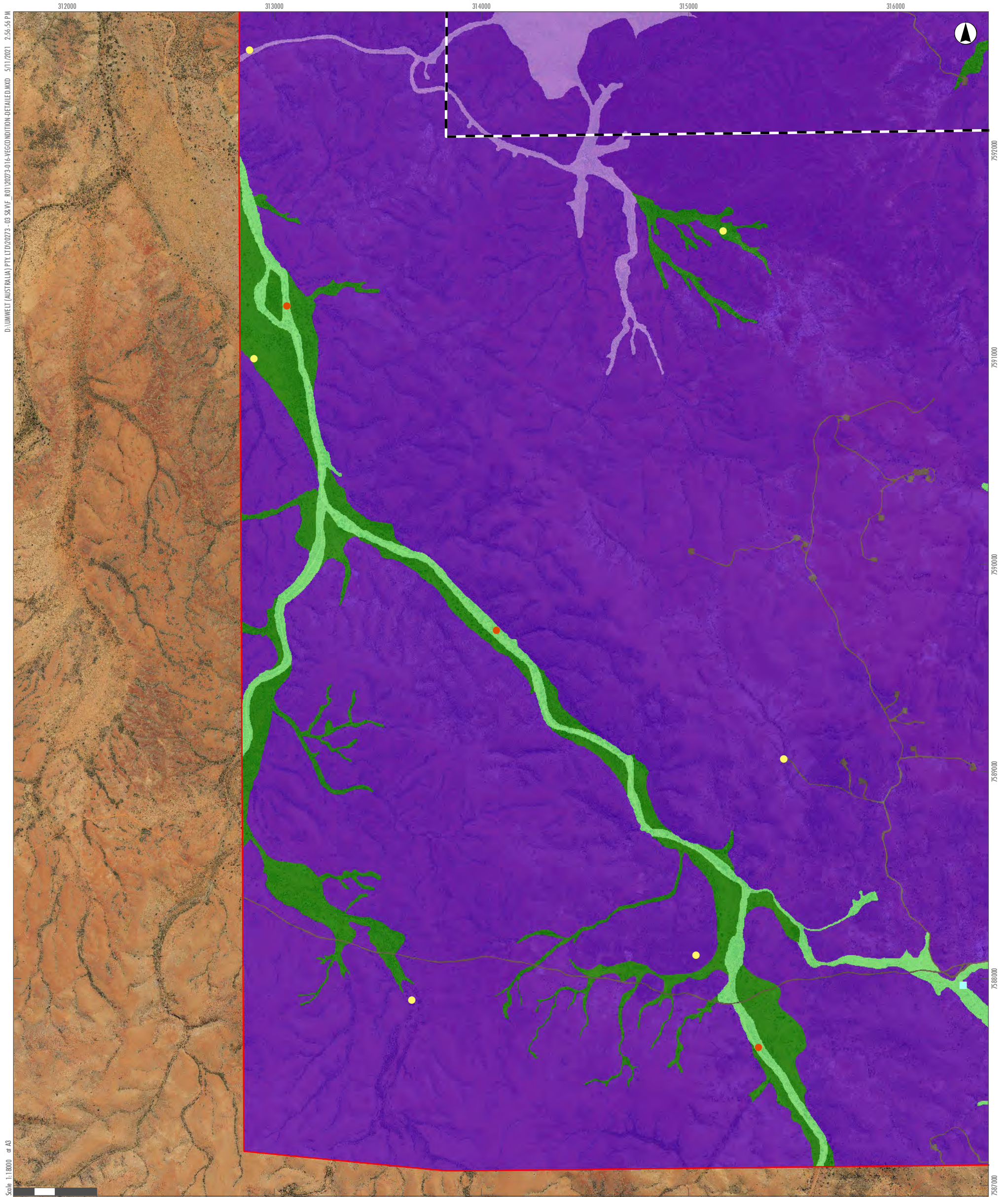
- Introduced Flora**
- Aerva javanica*
 - Calotropis procera*

- Cenchrus ciliaris*
- Citrullus amarus*
- Datura leichhardtii* subsp. *leichhardtii*
- Sonchus oleraceus*

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APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys



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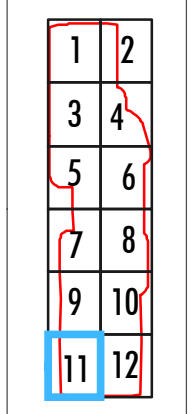
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0 200 400 Meters

GDA2020 MGA Zone 51

Legend

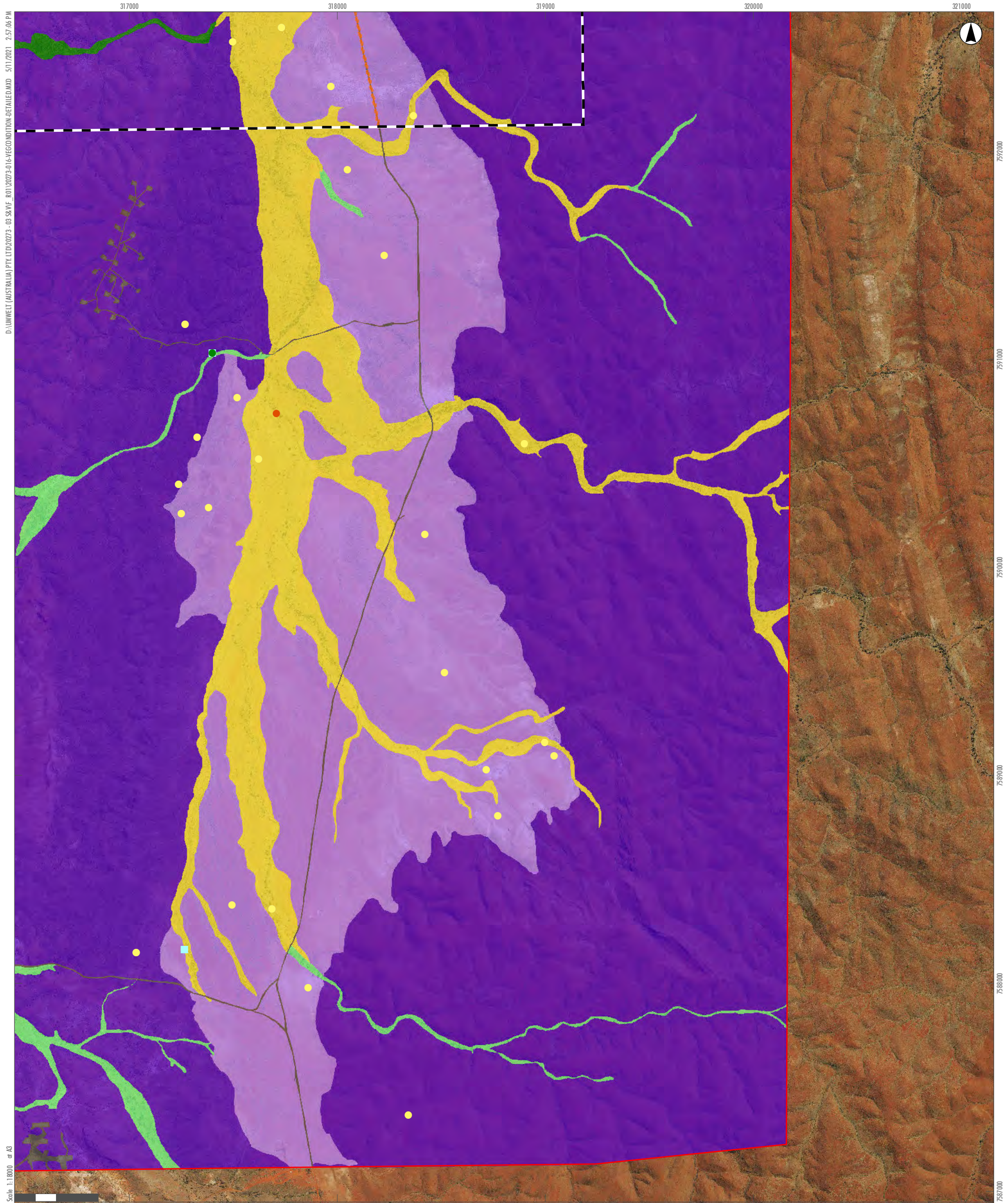
- Study Area
 - Development Envelope
 - Roads
- | | | |
|--|--|---|
| <p>Vegetation Condition</p> <ul style="list-style-type: none"> Excellent Very Good / Excellent Very Good Good N/A | <p>Introduced Flora</p> <ul style="list-style-type: none"> <i>Aerva javanica</i> <i>Cenchrus ciliaris</i> | <ul style="list-style-type: none"> ▲ <i>Cenchrus setiger</i> ● <i>Citrullus amarus</i> ■ <i>Malvastrum americanum</i> |
|--|--|---|



APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)



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Scale: 1:10000 at A3

GDA2020 MGA Zone 51

- Legend**
- Study Area
 - Development Envelope
 - Existing Footprint
 - Roads
- Vegetation Condition**
- Excellent
 - Very Good / Excellent
 - Very Good
 - Good
 - Poor / Good
 - N/A
- Introduced Flora**
- Aerva javanica*
 - Cenchrus ciliaris*
 - Citrullus amarus*
 - Malvastrum americanum*
 - Vachellia farnesiana*

| | |
|----|----|
| 1 | 2 |
| 3 | 4 |
| 5 | 6 |
| 7 | 8 |
| 9 | 10 |
| 11 | 12 |

APPENDIX R

Detailed Vegetation Condition Mapping and Introduced Flora Taxa of the Study Area Defined by the 2020 and 2021 Surveys

Image Source: ConsMin Image (100mm resolution, taken 18th August 2021), ESRI Basemap beneath Data source: Umwelt (Woodman Environmental) (2020 and 2021)

