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# FORTESCUE LIMITED

# WYLOO NORTH MINE AND TRANSPORT OPTIONS - DETAILED FLORA AND VEGETATION ASSESSMENT

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# EXECUTIVE SUMMARY

Fortescue Limited (Fortescue) is investigating options to expand its Pilbara mining operations to include several tenements in the Western Pilbara, collectively known as the Western Hub. The Western Hub is located approximately 80 kilometres (km) west-northwest of Tom Price. The Wyloo deposit comprises the southwestern section of the Western Hub and occurs within the Hamersley Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the Pilbara IBRA region.

Ecologia Environmental Consultants (*ecologia*) was engaged by Fortescue to undertake a two-phase detailed flora and vegetation assessment of the Wyloo North Mine and Transport Options survey area (52,267.8 hectares) to inform environmental approvals applications for the potential development of the project. Most of the survey area has been surveyed recently by *ecologia* (Wyloo deposit) and Focused Vision (Elevation-Hendrix/Boolgeeda) in 2021 and 2022. The objective of this assessment was to undertake a detailed flora and vegetation survey and targeted flora survey within the remaining parts of the survey area (undertaken in 2024) and to combine the data from all 3 projects into a consolidated analysis and report detailing the flora and vegetation values of the entire area.

Four-hundred and eighty-two (482) vascular plant taxa from 60 families and 184 genera were recorded within the survey area. These included 15 Department of Biodiversity, Conservation and Attractions (DBCA) listed Priority (P) species, and one potentially new species of *Eremophila*. Seventeen (17) introduced species were recorded, none of which were Declared Pests or Weeds of National Significance (WONS).

Hierarchical agglomerative clustering and ordination analyses were conducted on floristic data from 401 sampling sites, resulting in the classification of 24 vegetation types. Vegetation consisted mostly of stony hills, ridges, and undulating plains associated with the Newman land system supporting primarily *Eucalyptus leucophloia* open woodlands and *Acacia inaequilatera* tall sparse shrubland over *Triodia wiseana* hummock grasslands. Vegetation was mostly in Excellent condition except for the major creeks and associated floodplains, in particular areas around Duck Creek, which were comparatively degraded.

Part of vegetation types ElApTw and ApTw were consistent with or potentially consistent with the DBCA listed P3 Ecological Community '*Triodia pisoliticola* (previously *Triodia* sp. Robe River) assemblages of mesas of the West Pilbara', which was mapped across 2,881 ha (5.5%) of the survey area. There were no plant communities that corresponded to any state *Biodiversity Conservation Act 2016* or Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* listed Threatened Ecological Community.

Eight (8) vegetation types were potentially significant according to additional assessed criteria, including 3 vegetation types representing groundwater dependent or potentially groundwater dependent vegetation (4,030.8 ha, 7.7%), and 5 vegetation types associated with habitats that are potential refugia (1,457 ha, 2.8%).

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# 1 INTRODUCTION

## 1.1 PROJECT BACKGROUND

Fortescue Limited (Fortescue) is investigating options to expand its Pilbara mining operations to include several tenements in the Western Pilbara, collectively known as the Western Hub. The Western Hub is located approximately 80 kilometres (km) west-northwest of Tom Price. The Wyloo deposit comprises the southwestern section of the Western Hub and occurs within the Hamersley Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the Pilbara IBRA region.

Ecologia Environmental Consultants (*ecologia*) was engaged by Fortescue to undertake a two-phase detailed flora and vegetation assessment of the Wyloo North Mine and Transport Options survey area (the survey area, Map 1), totalling 52,267.8 hectares (ha), to inform environmental approvals applications for the potential development of the project.

Most of the survey area had been surveyed recently by *ecologia* (Wyloo deposit (Ecologia, 2023)) and Focused Vision (Elevation-Hendrix/Boolgeeda (Focused Vision, 2022)) (Map 1). The objective of this survey was to undertake a detailed flora and vegetation survey and targeted flora survey within the remaining parts of the survey area and to combine the data from all 3 projects into a consolidated analysis and report detailing the flora and vegetation values of the entire area.

## 1.2 SCOPE OF WORK

Fortescue required the services of a suitably qualified and experienced consultant to undertake a two-phase detailed flora and vegetation survey, targeted searches for conservation significant plant species and communities, and a consolidated assessment for the entire survey area. The following were therefore provided as part of this assessment:

- A desktop assessment to evaluate biological values of the survey area and surrounds, including a review of existing physical and biological values, significant species and communities, and other relevant available data.
- A two-phase detailed flora and vegetation survey and targeted flora assessment within unsurveyed parts of the area in accordance with Environmental Protection Authority (EPA) *Technical Guidance: Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016b).
- Consolidated vegetation classification, characterisation, and mapping of vegetation types and condition.
- Consolidated assessment of significant flora, significant vegetation, and introduced species.

## 1.3 LEGISLATIVE AND REGULATORY FRAMEWORK

The EPA objective for the *Flora and Vegetation* factor (EPA, 2016a) is to protect flora and vegetation so that biological diversity and ecological integrity are maintained. In this context, ecological integrity is the composition, structure, function and processes of ecosystems, and the natural range of variation of these elements. The primary objective of this assessment was to provide sufficient information to assess the impact of any proposed development on the flora and vegetation of the survey area, thereby ensuring that the EPA's objective can be met.

The survey was designed and undertaken to comply with the following EPA guidance documents:

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

## 1.4 DEFINITIONS

### 1.4.1 Significant Flora

According to the *EPA Factor Guideline: Flora and Vegetation* (EPA, 2016a), plant taxa (or records) may be considered significant for several reasons including, but not restricted to, the following:

- A taxon listed as Threatened under Western Australia's *Biodiversity Conservation Act 2016* (BC Act) or the Commonwealth's *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).
- A taxon on the Department of Biodiversity, Conservation and Attractions (DBCA) Priority Flora List (DBCA, 2020)
- Locally endemic species or those associated with a restricted habitat type (e.g., surface water or groundwater dependent ecosystems).
- New species or those 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).
- Unusual species, including restricted subspecies, varieties or naturally occurring hybrids.
- Being representative of taxonomic groups that no longer occur widely in the broader landscape (relictual species/populations).

### 1.4.2 Significant Vegetation

According to *EPA Factor Guideline: Flora and Vegetation* (EPA, 2016a), vegetation may be considered significant for reasons including, but not restricted to, the following:

- Being listed as a Threatened Ecological Community (TEC) under the BC Act or the EPBC Act.
- Being listed as a Priority Ecological Community (PEC) by DBCA.
- Having a restricted distribution.
- The 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.

### 1.4.3 Introduced Plants

**Weeds of National Significance**

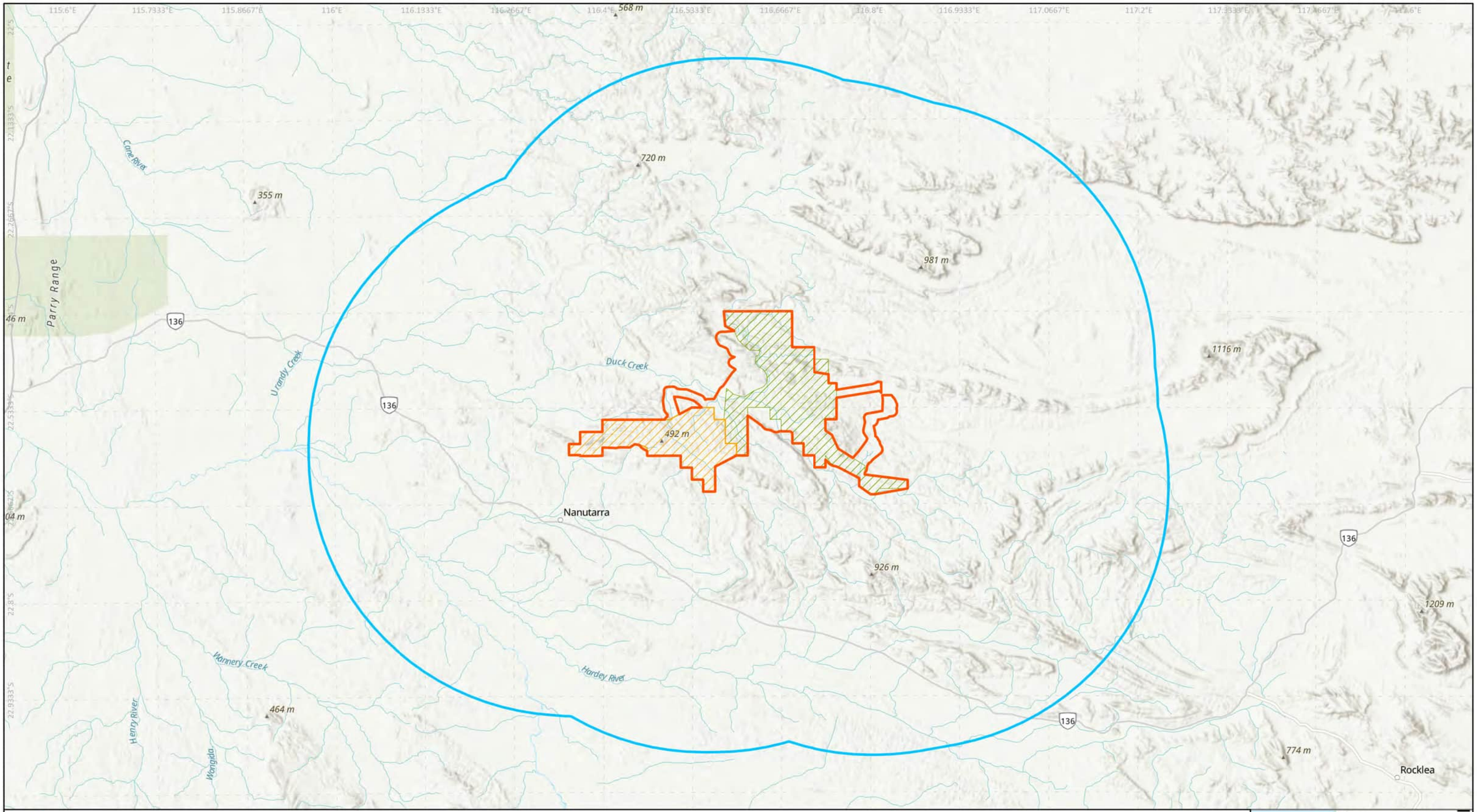
Under the Australian Weeds Strategy there are 32 introduced plant species listed as Weeds of National Significance (WONS) that are "causing major economic, environmental and/or social impacts in a number of states or territories with strong potential for further spread" (DAWR, 2017). These species require "coordinated and strategic management along with shared stakeholder investment to develop and implement best practice to prevent, eradicate, contain and/or minimise impacts in different parts of the nation" (DAWR, 2017).

**Biosecurity and Agriculture Management Act 2007**

The purpose of Western Australia's *Biosecurity and Agriculture Management Act 2007* (BAM Act) is to prevent serious animal and plant pests and diseases from entering Western Australia and becoming established, and to minimise the spread and impact of those that are already present. The Western Australian Organism List (WAOL) lists organisms that are categorised under the BAM Act into 5 legal categories: 'Declared Pest, Prohibited -s12', 'Declared Pest -s22(2)', 'Permitted -s11', 'Permitted, Requires Permit -r73', and 'Unlisted -s14'. A Declared Pest may be subject to control and keeping requirements once within Western Australia.

### Regional Weed Prioritisation Process

At a regional level in Western Australia, introduced plant species are ranked using the Weed Prioritisation Process (DPaW, 2013). The process is intended to "highlight the species that have the highest ecological impact, most extensive potential distribution, highest invasiveness, lowest current distribution and highest feasibility of control within a regional context based on the information available at the time" (DPaW, 2013).




Wyloo North Mine and Transport Options survey area

Wyloo Deposit survey area (ecologia 2021-2022)

Elevation-Hendrix/Boolgeeda survey area (Focused Vision 2021-2022)

Desktop study area (40 km)

ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 19 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:550,000 @A3

**Map 1:** Location of the Wyloo North Mine and Transport Options survey area..

0 10 20 40
Kilometers

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR, Esri, USGS

# 2 DESKTOP ASSESSMENT

## 2.1 DESKTOP METHODOLOGY

The methodology adopted for the desktop assessment was in accordance with the *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016b). A review of background environmental information for the survey area was undertaken, including, but not limited to, climate (Bureau of Meteorology, BOM), biogeography (IBRA 7) (DSEWPaC, 2012), soil-landscape systems (land systems) (DPIRD, 2016), the Surface Geology of Australia 1:1M spatial dataset (Geoscience Australia, 2012), the Atlas of Australian Soils (Northcote et al., 1960-1968), and pre-European native vegetation of Western Australia (Shepherd, Beeston, & Hopkins, 2002).

Searches of the databases listed in Table 1 were undertaken to determine the significant species and ecological communities previously recorded within 40 km of the survey area. The Atlas of Living Australia (ALA) database was used in place of NatureMap for this desktop assessment due to current data quality issues. The criteria listed in Table 2 were then applied to determine the likelihood of occurrence of these species and communities within the survey area. To assist in the assessment, habitat preferences were sourced, where available, from relevant taxonomic literature, FloraBase records (Western Australian Herbarium, 1998–), Threatened Species Profiles (SPRATs), or specimen data from the Australasian Virtual Herbarium (AVH) database (CHAH, 2017).

**Table 1: Databases queried for the desktop assessment.**

| Database | Search details | Access number/date |
|---|---|---|
| DBCA Threatened and Priority Ecological Communities | TECs and PECs within 40 km of the survey area. | 07-0424EC, 4 April 2024 |
| DBCA WAHERB and TPFL | Significant species records within 40 km of the survey area. | 07-0424FL, 3 April 2024 |
| Protected Matters Search Tool (PMST) | Matters of environmental significance within 40 km of the survey area | 26 August 2024 |
| Atlas of Living Australia (ALA) | All vascular plant species records within 40 km of the survey area. | 23 February 2024 |
| Fortescue's environmental database | Significant species records within 40 km of the survey area. | March 2023 |

**Table 2: Criteria used to assess the likelihood of occurrence of significant species and communities.**

| Rating | Criterion |
|---|---|
| **Recorded** | The species/community has been recorded within the survey area. |
| **Likely** | Suitable habitat is almost certainly present and there are records immediately adjacent (within 10 km) to survey area. |
| **Possible** | Suitable habitat is likely to be present and there are records within 40 km of the survey area, or<br>there is insufficient information available to exclude the possibility of occurrence. |
| **Unlikely** | Suitable habitat is not likely to be present and/or there are no records within 40 km of the survey area. |
| **Does not occur** | The community is an existing regionally mapped vegetation association (e.g. Shepherd et al. 2002) or land system (e.g. DPIRD 2016) which does not occur within the survey area; or<br>The species is recognised as being locally extinct or extinct in the wild and does not occur within the survey area. |

## 2.2 RAINFALL AND TEMPERATURE

Rainfall data from the nearest long-term Bureau of Meteorology (BoM) weather station (since 1903) were obtained from Wyloo (Station No. 5028), located 16 km to the southwest of the survey area. Wyloo received below average rainfall in the period prior to the April 2024 survey, but received above average rainfall in August 2024, just prior to the August 2024 survey (Figure 1). Temperature data were obtained from Paraburdoo Aero (Station No. 7185) (BoM, 2024), which is located 105 km to the southeast of the survey area. Maximum daytime temperature at Paraburdoo Aero is frequently above 40°C between November and February and minimum temperatures can drop below 12°C between June and August (Figure 1).

Rainfall over the 12 months prior to the 2021 *ecologia* survey (June–July 2021) was approximately 59% of mean annual rainfall (252.5 mm), but rainfall in May 2021 (just prior to the survey) was above average (Ecologia, 2023). Rainfall in the period prior to the Focused Vision surveys in May and August 2021 prior to the *ecologia* survey in May 2022 was also above average (Ecologia, 2023; Focused Vision, 2022).

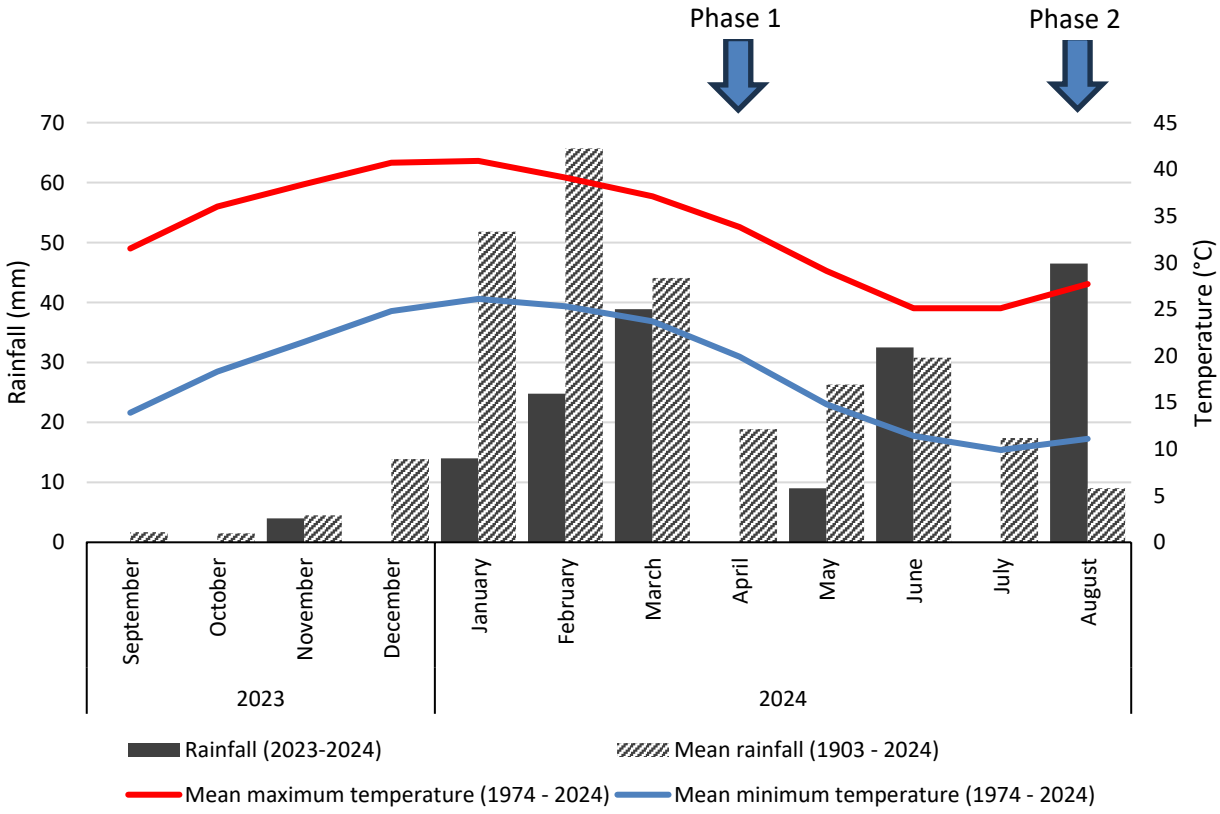



**Figure 1: Monthly median rainfall and temperature for Wyloo (rainfall) and Paraburdoo Aero (temperature).**

## 2.3 INTERIM BIOGEOGRAPHIC REGIONALISATION FOR AUSTRALIA

The Interim Biogeographic Regionalisation for Australia (IBRA) classifies the Australian continent into bioregions based on similar geology, landform, vegetation, fauna and climate characteristics (DSEWPaC, 2012). The survey area is located within the Hamersley subregion of the Pilbara region according to IBRA 7.

The Hamersley subregion is the southern section of the Pilbara Craton, in which low mulga (*Acacia aneura* and close relatives) woodland occurs over bunch [tussock] grasses on fine textured soils in valley floors, and *Eucalyptus leucophloia* open woodlands over *Triodia brizoides* [and other *Triodia*

species] occur on skeletal soils of the ranges (Kendrick, 2001). The climate is semi-arid tropical, with an average rainfall of 300 mm, falling mainly in summer cyclonic events, and the subregional area is 6,215,092 ha (Kendrick, 2001).

## 2.4 LAND SYSTEMS

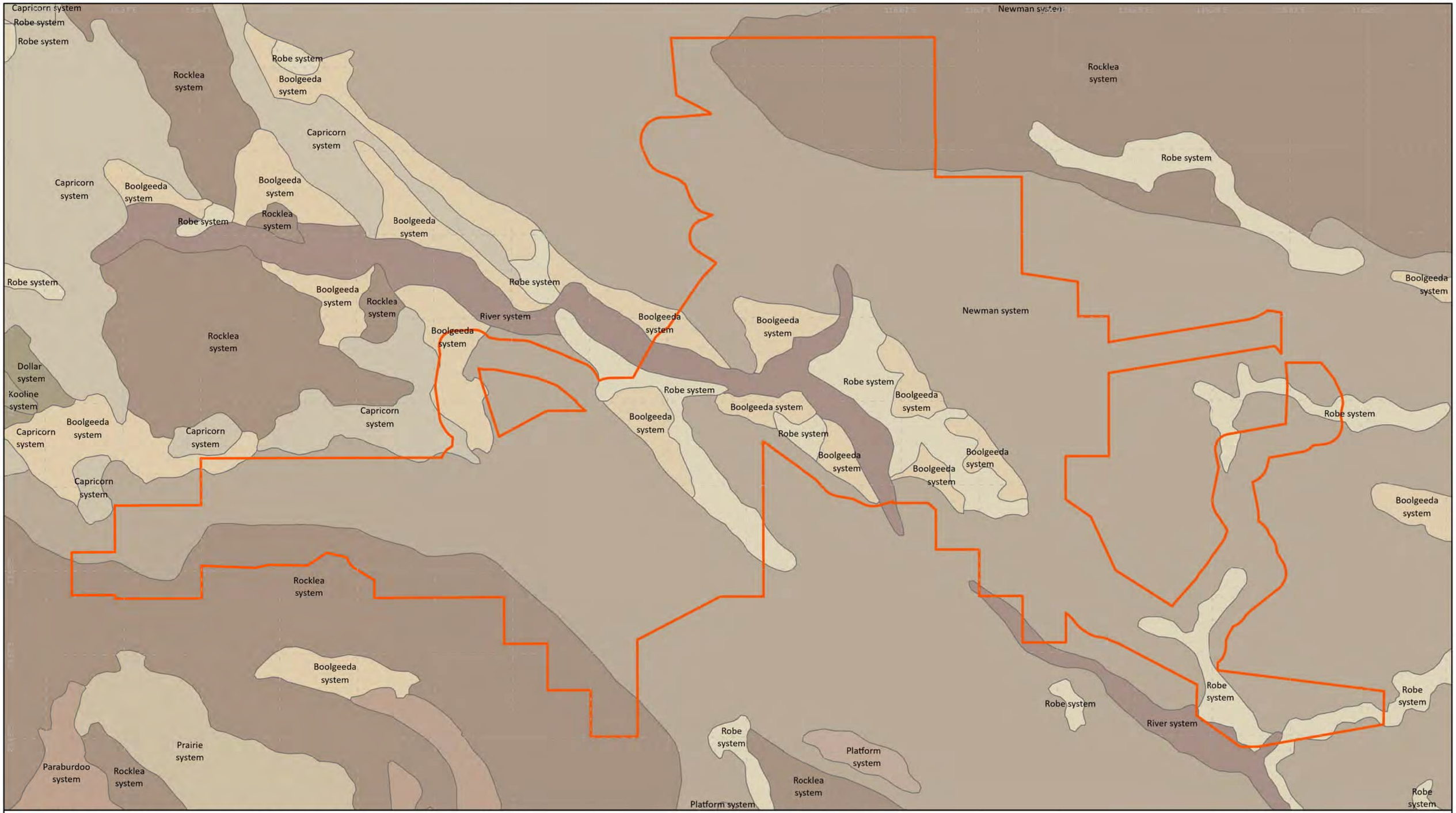
In 2016 the Department of Primary Industries and Regional Development (DPIRD) consolidated soil-landscape mapping of Western Australia from 2 technical reports created by the Department of Agriculture and Food (Department of Agriculture Resource Management Technical Reports RMTR No. 280 (B. R. Purdie, Tille, & Schoknecht, 2016) and RMTR No. 313 (Tille, 2006)). The resulting spatial dataset, Soil Landscape Mapping – Best Available (DPIRD-027) (DPIRD, 2022), is a compilation of various surveys at different scales varying between 1:20,000 and 1:3,000,000. Mapping conforms to a nested hierarchy established to deal with the varying levels of information resulting from the variety of scales in mapping to provide soil-landscape data for all of Western Australia. Six (6) soil-landscape systems (land systems) are associated with the survey area (Table 3, Map 2).

**Table 3: Land systems associated with the survey area (DPIRD-027).**

| Land system | Description | Extent within survey area (ha) | Extent within survey area (%) |
|---|---|---|---|
| Boolgeeda | Stony lower slopes and plains below hill systems supporting hard and soft spinifex grasslands or mulga shrublands. | 3,927.77 | 7.51 |
| Capricorn | Rugged sandstone hills, ridges, stony footslopes and interfluves supporting low acacia shrublands or hard spinifex grasslands with scattered shrubs. | 130.23 | 0.25 |
| Newman | Rugged jaspilite plateaux, ridges and mountains supporting hard spinifex grasslands. | 34,583.06 | 66.16 |
| River | Narrow, seasonally active floodplains and major river channels supporting moderately close, tall shrublands or woodlands of acacias and fringing communities of eucalypts sometimes with tussock grasses or spinifex. | 1,854.71 | 3.55 |
| Robe | Low plateaux, mesas and buttes of limonite supporting soft spinifex and occasionally hard spinifex grasslands. | 4,382.98 | 8.39 |
| Rocklea | Basalt hills, plateaux, lower slopes and minor stony plains supporting hard spinifex and occasionally soft spinifex grasslands with scattered shrubs. | 7,389.06 | 14.14 |

## 2.5 DBCA MANAGED LANDS AND NATIONALLY IMPORTANT WETLANDS

Spatial datasets were queried for DWER Environmentally Sensitive Areas (ESAs) (DWER-046), Nationally Important Wetlands (DBCA-045), and DBCA managed lands and waters (DBCA-011), occurring in the vicinity of the survey area. There are no DBCA managed lands, ESAs, or Nationally Important Wetlands within 40 km of the survey area (Map 3).




Wyloo North Mine and Transport Options survey area

Land system

- Boolgeeda system
- Capricorn system
- Dollar system
- Kooline system
- Newman system
- Paraburdoo system
- Platform system
- Prairie system
- River system
- Robe system
- Rocklea system

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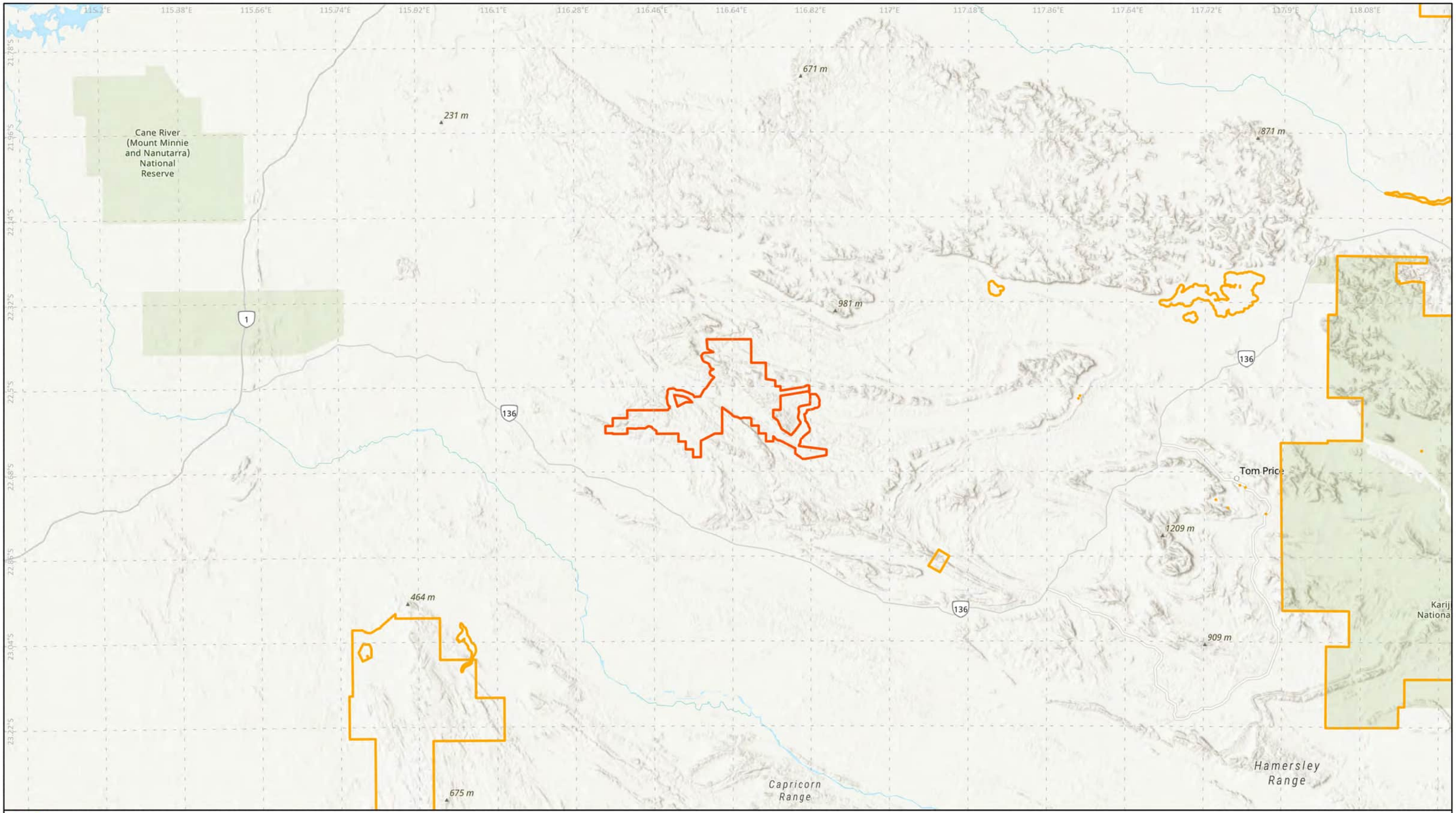
Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

**Map 2:** Land systems (DPIRD 2016).

0 2.5 5 10
Kilometers




Wyloo North Mine and Transport Options survey area

Legislated Lands and Waters (DBCA_011)

Environmentally Sensitive Areas (DWER_046)

ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:830,000 @A3

**Map 3:** DBCA Legislated Lands and Nationally Important Wetlands near the survey area.

0 15 30 60
Kilometers

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR

## 2.6 FLORA

### 2.6.1 Floristic Diversity

A search of the Atlas of Living Australia (ALA) database (ALA, 2023) identified 505 native vascular plant taxa and 14 introduced vascular plant taxa (including species, infraspecific taxa, and phrase name taxa), from 64 families and 209 genera, within 40 km of the survey area (Appendix A). The most diverse families were the Fabaceae (88 taxa), Poaceae (65 taxa), Asteraceae (35 taxa), Malvaceae (35 taxa), Amaranthaceae (30 taxa), and Cyperaceae (28 taxa). The most diverse genera were *Acacia* (36 taxa), *Ptilotus* (18 taxa), *Eremophila* (12 taxa), *Cyperus* (11 taxa), and *Goodenia* (10 taxa).

### 2.6.2 Significant Species

Database searches (WAHERB, TPFL, and Fortescue's Significant Flora database) identified 26 DBCA listed Priority plant taxa within 40 km of the survey area (Table 4, Map 4). The names of Priority listed species have been anonymised on Map 4 in accordance with DBCA's conditions of supply. Prior to the survey the likelihood for each taxon to occur within the survey area was assessed using the criteria outlined in section 2.1.

Twelve (12) significant species have been recorded within the survey area previously, and based on the proximity of previous records and the potential presence of suitable habitat, an additional 11 taxa were considered to have potential to occur within the survey area ('likely' and 'possible' ratings) (Table 4). Three (3) taxa were considered unlikely to occur due to the probable absence of suitable habitat (Table 4).

The Protected Matters Search Tool (PMST, Appendix A) identified that suitable habitat was present for one EPBC Act listed (Vulnerable) plant species, *Thryptomene wittweri*; however, there are no records of this species within 40 km of the survey area, and it is unlikely to occur.

### 2.6.3 Introduced Species

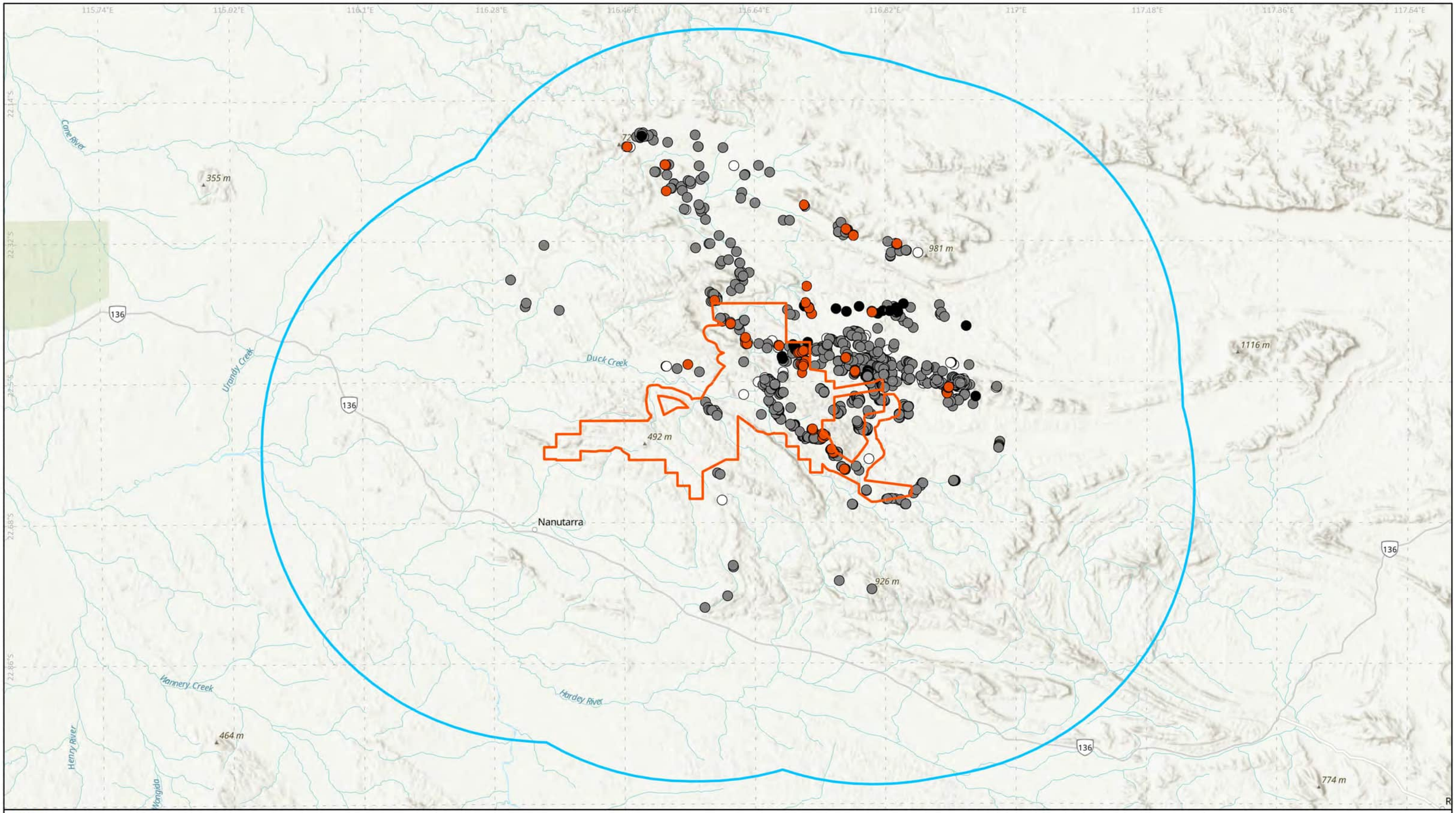
A search of the Atlas of Living Australia database (ALA, 2023) identified 14 introduced plant species within 40 km of the survey area (Table 5). None of those identified were listed as WONS (DAWR, 2017), Declared Pests according to the BAM Act, or listed on the WAOL (DPIRD, 2007–). Seven (7) species identified had high ecological impact ratings and rapid invasiveness ratings according to the Weed Prioritisation Process for the region (**Cenchrus ciliaris, *Cenchrus setiger, *Echinochloa colona, *Malvastrum americanum, *Phoenix dactylifera, *Setaria verticillata, *Vachellia farnesiana*).

**Table 4: Pre-survey likelihood of occurrence of significant plant species recorded within 40 km of the survey area.**

| Taxon | Status (DBCA) | Habitat | Flowering period | Assessment |
|---|---|---|---|---|
| **Recorded** | | | | |
| *Cyanthillium gracile* | P3 | Summits, slopes and sheltered gullies of rounded hills in skeletal, red, gritty soils over massive banded ironstone of the Brockman Iron Formation, amongst woodland with *Eucalyptus*, *Acacia*, *Hakea*, *Triodia*, *Dampiera*, and *Waltheria* species. | May to October | Recorded by Ecologia (2021/2022) |
| *Dicladanthera glabra* | P2 | Alluvium. Along watercourses, near rock pools. | April to October | Existing records within the survey area |
| *Eremophila magnifica* subsp. *magnifica* | P4 | Skeletal soils over ironstone. Summits. | August to November | Recorded by Focused Vision (2022) |
| *Indigofera rivularis* | P3 | Coarse alluvium in creek lines or on steep slopes with skeletal soils. | May to July | Recorded by Ecologia (2021/2022) |
| *Pentalepis trichodesmoides* subsp. *hispida* | P2 | Summits and slopes of low hills, on basaltic soils. | August to September | Recorded by Ecologia (2021/2022) |
| *Ptilotus mollis* | P4 | Steep rocky slopes, massive ironstone formations. | May to September | Recorded by Focused Vision (2022) |
| *Rhynchosia bungarensis* | P4 | Rock piles, gorges, river beds and alluvial soils. | – | Existing records within the survey area |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | P3 | Associated with rocky outcrops and breakaways; sometimes in flat areas. | August to October | Recorded by Ecologia (2021/2022) |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | P3 | Stony upper footslope of a shale hill. *Eucalyptus leucophloia* with mixed shrubs and hummock grass. | – | Recorded by Ecologia (2021/2022) |
| *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | P1 | Creek bank at the base of a rocky ironstone/banded ironstone formation (BIF) hill on red-brown loamy soil. | July | Recorded by Ecologia (2021/2022) |
| *Terminalia supranitifolia* | P3 | Sand. Among basalt rocks. Rocky cliffs. | July or December | Recorded by Focused Vision (2022) |
| *Triodia pisoliticola* | P3 | Skeletal soils on ironstone, often associated within the summits of mesas or other hilly areas, but also from mid-slopes and valleys. | February to October | Recorded by Ecologia (2021/2022) |
| **Likely** | | | | |
| *Acacia bromilowiana* | P4 | Red skeletal stony loam, orange-brown pebbly, gravel loam, laterite, banded ironstone, basalt. Rocky hills, breakaways, scree slopes, gorges, creek beds. | July to August | Suitable habitat present. Records within 10 km. |
| *Eragrostis surreyana* | P3 | Seepage areas near or on sheet rock; areas of fine alluvial sands on the banks of seasonal streams and drainage lines. | – | Suitable habitat possibly present. Records within 10 km. |
| *Eremophila magnifica* subsp. *velutina* | P3 | Skeletal soils over ironstone. Summits. | August to September | Suitable habitat possibly present. Records within 10 km. |
| *Grevillea saxicola* | P3 | Orange-brown to red-brown loam soils on upper scree and breakaway slopes and crests often associated with banded iron formation outcroppings. | November to March | Suitable habitat possibly present. Records within 10 km. |
| *Ipomoea racemigera* | P3 | Sandy soils along watercourses | March to August | Suitable habitat possibly present. Records within 10 km. |
| *Isotropis parviflora* | P3 | Valley slopes of ironstone plateaus. | March | Suitable habitat possibly present. Records within 10 km. |
| *Triodia basitricha* | P3 | Rocky or gravely slopes of mountains or low hills. | January to March | Suitable habitat possibly present. Records within 10 km. |
| *Triodia lutiteana* | P1 | Rocky ironstone or mudstone hillsides and ridges, red-brown loamy/clay silty soil. | – | Suitable habitat possibly present. Records within 10 km. |
| **Possible** | | | | |
| *Hibiscus campanulatus* | P1 | Sheltered or rocky drainage lines below associated cliff lines or rocky ridges. | August | Suitable habitat possibly present. No records within 10 km. |
| *Oxalis* sp. Pilbara (M.E. Trudgen 12725) | P3 | In shaded areas around rock outcrops and gullies. | May to September | Suitable habitat possibly present. No records within 10 km. |
| *Solanum kentrocaule* | P3 | Hillsides and mountaintops or occasionally creek beds, in skeletal red-brown soil over ironstone or on basalt scree. Associated species include *E. leucophloia* and *E. kingsmillii*. | July to October | Suitable habitat possibly present. No records within 10 km. |
| **Unlikely** | | | | |
| *Glycine falcata* | P3 | Black clayey sand. Along drainage depressions in crabhole plains on river floodplains. | May or July | Suitable habitat not likely to be present. |
| *Paspalidium retiglume* | P2 | In tropical and subtropical sub-humid woodlands, arid and semi-arid low woodlands, arid tussock grasslands and arid hummock grasslands. Usually in cracking clays. | April | Suitable habitat not likely to be present. |
| *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) | P3 | Clay pan, grass plain. | August | Suitable habitat not likely to be present. |
| *Thryptomene wittweri* (PMST only) | T | Skeletal red stony soils. Breakaways, stony creek beds. | April to August | No records within 40 km. |

**Table 5: Introduced plant species recorded within 40 km of the survey area including BAM Act status and Weed Prioritisation Process rating.**

| Species | Common name | BAM Act status and WONS | Ecological impact | Invasiveness |
|---|---|---|---|---|
| **Argemone ochroleuca* | Mexican poppy | Not listed | Unknown | Rapid |
| **Bidens bipinnata* | Bipinnate beggar's tick | Permitted - s11 | Unknown | Rapid |
| **Cenchrus ciliaris* | Buffel grass | Permitted - s11 | High | Rapid |
| **Cenchrus setiger* | Birdwood grass | Permitted - s11 | High | Rapid |
| **Datura leichhardtii* | Leichhardt's thornapple | Permitted - s11 | Unknown | Unknown |
| **Echinochloa colona* | Awnless barnyard grass | Permitted - s11 | High | Rapid |
| **Flaveria trinervia* | Speedy weed | Not listed | Not listed | Not listed |
| **Malvastrum americanum* | Spiked malvastrum | Permitted - s11 | High | Rapid |
| **Phoenix dactylifera* | Date palm | Permitted - s11 | High | Rapid |
| **Setaria verticillata* | Whorled pigeon grass | Permitted - s11 | High | Rapid |
| **Sigesbeckia orientalis* | Indian weed | Permitted - s11 | Unknown | Rapid |
| **Sonchus oleraceus* | Common sowthistle | Permitted - s11 | Low | Rapid |
| **Tribulus terrestris* | Caltrop | Permitted - s11 | Unknown | Moderate |
| **Vachellia farnesiana* | Mimosa bush | Permitted - s11 | High | Rapid |




Wyloo North Mine and Transport Options survey area

Desktop study area (40 km)

P1

P2

P3

P4

ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:500,000 @A3

**Map 4:** Significant plant species records within 40 km of the survey area.

0 10 20 40
Kilometers

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR

## 2.7 VEGETATION

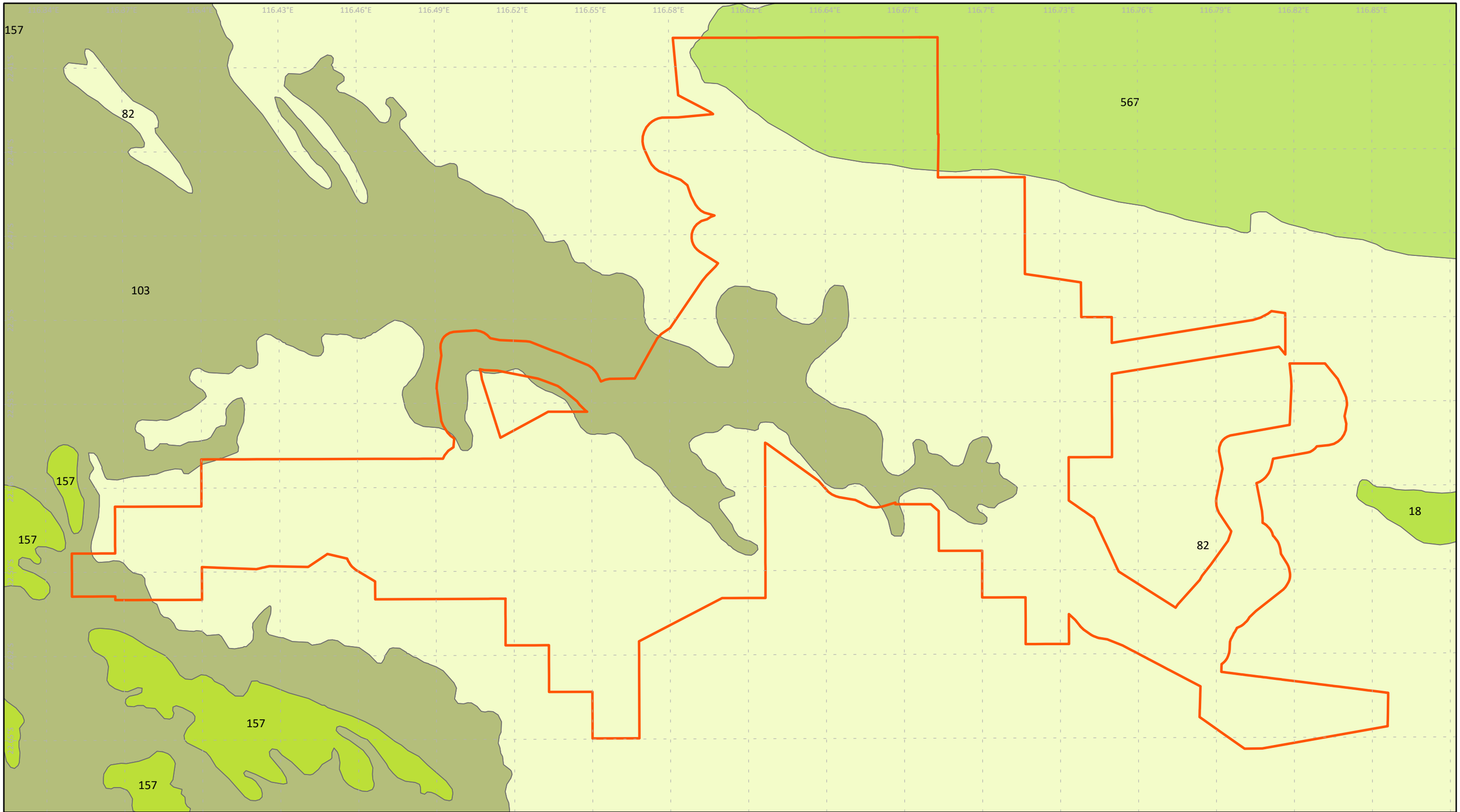
### 2.7.1 Pre-European Vegetation

The Western Australian Land Use and Vegetation Data Project produced a 1:250,000 scale digital spatial dataset of the pre-European native vegetation of Western Australia, compiled from previous vegetation mapping exercises, primarily by J.S. Beard from 1964 to 1981, with updates reflecting the National Vegetation Information System (NVIS) standards (Shepherd et al., 2002). Three (3) vegetation associations are mapped within the survey area, which consists mostly of association 82 (78.4%) (Table 6, Map 5).

The pre-European and current extent of each vegetation association is available from the Statewide Vegetation Statistics dataset (Government of Western Australia, 2018). The National Objectives and Targets for Biodiversity Conservation 2001-2005 (DEH, 2001) recognise that the retention of 30% or more of the pre-clearing extent of an ecological community is necessary if Australia's biological diversity is to be protected, as this is the threshold below which species loss appears to accelerate exponentially (EPA, 2000). Vegetation associations occurring outside of constrained areas (i.e., Perth Metropolitan, Peel and Greater Bunbury Region Schemes) at less than 30% of their pre-European extent are classified as either 'Vulnerable' (10-30%) or 'Endangered' (< 10 %) and should not be cleared according to Principle (e) of the native vegetation clearing guidelines (DER, 2014). The current percent remaining of all 3 vegetation associations in the Pilbara bioregion is greater than 99%, well above the 30% threshold (Table 6), and are classified as 'least concern' (DER, 2014).

**Table 6: Pre-European vegetation associations mapped with the survey area.**

| Shepherd et al. (2002) vegetation association | Description | Pre-European extent within Pilbara IBRA region (ha) | Percentage remaining within Pilbara IBRA regio | Current percentage protected for conservation within Pilbara IBRA region | Extent within survey area (ha) | Percent of survey area |
|---|---|---|---|---|---|---|
| 82 | Hummock grasslands, low tree steppe; snappy gum over *Triodia wiseana*. | 2,563,583.23 | 99.50 | 10.26 | 40,690.72 | 77.85 |
| 103 | Hummock grasslands, shrub steppe; snakewood over soft spinifex & *Triodia wiseana*. | 614,056.46 | 99.98 | 2.00 | 7,784.83 | 14.89 |
| 567 | Hummock grasslands, shrub steppe; mulga & kanji over soft spinifex & *Triodia basedowii*. | 776,823.96 | 99.66 | 22.35 | 3,792.30 | 7.26 |




Wyloo North Mine and Transport Options survey area

Vegetation association

- 18,Low woodland; mulga (Acacia aneura)
- 82,Hummock grasslands, low tree steppe; snappy gum over Triodia wiseana
- 103,Hummock grasslands, shrub steppe; snakewood over soft spinifex & Triodia wiseana
- 157,Hummock grasslands, grass steppe; hard spinifex, Triodia wiseana
- 567,Hummock grasslands, shrub steppe; mulga & kanji over soft spinifex & Triodia basedowii

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Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

**Map 5:** Pre-European vegetation associations (Shepherd et al. 2002).

0 2.5 5 10
Kilometers

### 2.7.2 Threatened and Priority Ecological Communities

DBCA database searches and EPBC Act Protected Matters Report (Appendix A) indicated that no EPBC Act or BC Act listed TECs occur within 40 km of the survey area. DBCA database searches identified 2 PECs relating to vegetation within 40 km of the survey area: the 'Brockman Iron cracking clay communities of the Hamersley Range' Priority 1 PEC, and '*Triodia pisoliticola* (previously *Triodia* sp. Robe River) assemblages of mesas of the West Pilbara' Priority 3 PEC (Table 7, Map 6).

The 'Brockman Iron cracking clay communities of the Hamersley Range' PEC is unlikely to occur within the survey area. The Brockman land system does not occur within the survey area, and there are unlikely to be any tussock grassland communities on cracking clay within the survey area. The nearest known occurrence is approximately 25 km north of survey area.

The '*Triodia pisoliticola* (previously *Triodia* sp. Robe River) assemblages of mesas of the West Pilbara' PEC occurs within the survey area. The community is present on mesas in the east of the survey area and according to DBCA mapping is almost entirely associated with mesas of the Robe land system but is sometimes associated with plateaus of the Newman land system.

**Table 7: Threatened and Priority Ecological Communities within 40 km of the survey area.**

| Community | Description | Likelihood of occurrence |
|---|---|---|
| Priority 1 | | |
| Brockman Iron cracking clay communities of the Hamersley Range | Rare tussock grassland dominated by *Astrebla lappacea* (not every site has presence of *Astrebla*) in the Hamersley Range, on the Brockman land system. Tussock grassland on cracking clays- derived in valley floors, depositional floors. This is a rare community and the landform is rare. Known from near West Angeles, Newman, Tom Price and boundary of Hamersley and Brockman Stations. | Unlikely |
| Priority 3 | | |
| *Triodia pisoliticola* (previously *Triodia* sp. Robe River) assemblages of mesas of the West Pilbara | This community is typically restricted to mesas and cordillo landforms where the plant assemblages are dominated by or contain *Triodia pisoliticola* and are indicative of inverted landscapes; that is, where *Triodia pisoliticola* occurs in combination with species that are considered 'out-of-context' from their normal habitat. The community is a combination of *Triodia pisoliticola* with *Acacia pruinocarpa*, *A. citrinoviridis* on slopes or peaks of mesas. These 2 acacias are generally found associated with Pilbara creek lines, and their occurrence is probably indicative of the genesis of the mesa surfaces in wetlands, then erosion of the landscape and 'inversion of the landscape' such that the mesa slopes and peaks that were previously low in the landscape become high points. | Recorded |

### 2.7.3 Groundwater Dependent Vegetation

Three (3) tree species commonly associated with riparian habitats in the Pilbara are considered groundwater dependent, or potentially groundwater dependent: *Melaleuca argentea* (silver cadjeput), *Eucalyptus camaldulensis* (river red gum), and *Eucalyptus victrix* (coolabah).

*Melaleuca argentea* is considered an obligate phreatophyte that is reliant on groundwater for its survival. Plant communities in which these species are dominant may be considered groundwater dependent vegetation (GDV) in some situations, and may potentially be impacted by groundwater abstraction, but they do not generally have any specific conservation significance.

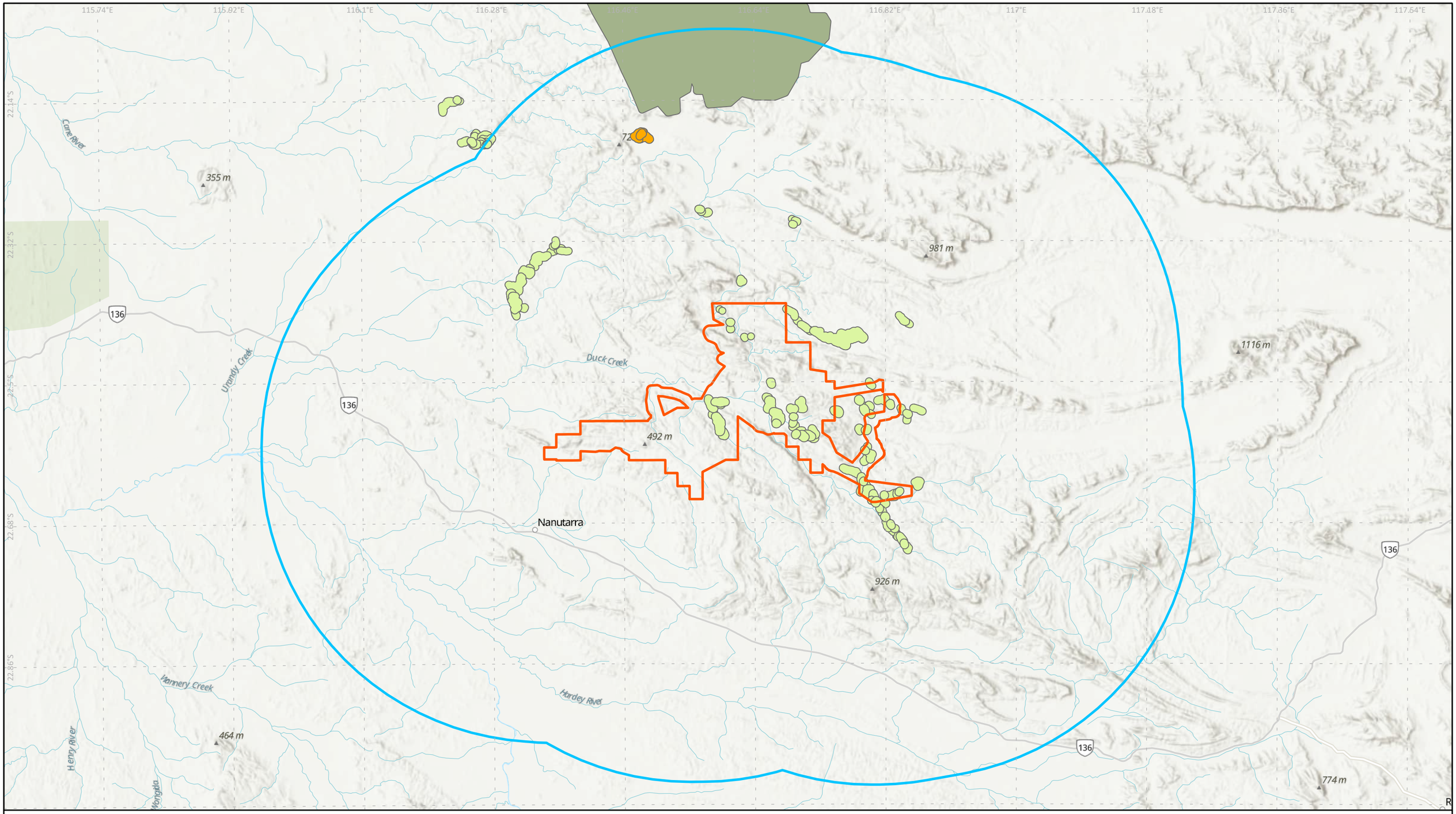
*Eucalyptus camaldulensis* and *E. victrix* are facultative phreatophytes, which are species that may be dependent on groundwater or water from the capillary fringe in environments that have otherwise low available surface derived water, particularly in the arid zone and during extended dry periods (Batini, 2009; Froend, 2009). This is particularly relevant during the Pilbara dry season (April to November) when recharge of the groundwater table is likely to be minimal and alternative water sources are limited

(Eamus & Froend, 2006), although they appear to be resilient to fluctuating water table levels as well as to drought (Batini, 2009; Pfautsch, Dodson, Madden, & Adams, 2014).

Fortescue classifies GDV into 3 categories. Vegetation containing *Melaleuca argentea* is treated as GDV, vegetation containing *Eucalyptus camaldulensis* is treated as likely GDV (LGDV), and vegetation containing only *Eucalyptus victrix*, or where the presence of *E. camaldulensis* or *M. argentea* cannot be confirmed, is treated as potentially GDV (PGDV). The drainage systems (creeks and major drainage channels) within the survey area are known to support all of these species, and therefore GDV according to these criteria is present (Ecologia, 2023; Focused Vision, 2022).

### 2.7.4 Sheet-flow Dependent Mulga

Mulga communities cover over 20% of mainland Australian (Johnson & Burrows 1981) and are largely confined to areas south of the Tropic of Capricorn in semi-arid and arid areas not exceeding 250–300 mm annual rainfall (Maslin & Reid 2012). Mulgas are shallow-rooted (typically < 5 m) perennial trees or shrubs and are dependent on surface water recharge during rainfall events, although available data suggest they are resilient to prolonged periods of low water availability in the rooting zone (Page & Grierson, 2010). Mulga intercept rain falling on the canopy, redirecting water to surface soils at the base of the trunk. There is also some evidence that mulga groves intercept water runoff from higher elevations, especially in banded communities. Consequently, it has been suggested that mulga groves play an important role as water and nutrient sinks, creating fertile patches in generally water and nutrient poor landscapes (Dunkerley 2002; Johnson & Burrows 1981; Ludwig *et al*. 1997; Tongway & Ludwig 1990), and are characterised by significant biodiversity (Maslin & Reid 2012). Based on an evaluation of vegetation patterning on aerial imagery, sheet-flow dependent mulga communities (i.e., grove-intergrove mulga) are unlikely to be present within the survey area.




Wyloo North Mine and Transport Options survey area

Desktop study area (40 km)

Community name

Brockman Iron cracking clay communities of the Hamersley Range (Priority 1)

Stygofaunal Community of the Bungaroo Aquifer (Priority 1)

Triodia pisoliticola (previously Triodia sp. Robe River) assemblages of mesas of the West Pilbara (Priority 3)

ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:500,000 @A3

**Map 6:** Significant ecological communities within 40 km of the survey area.

0 10 20 40
Kilometers

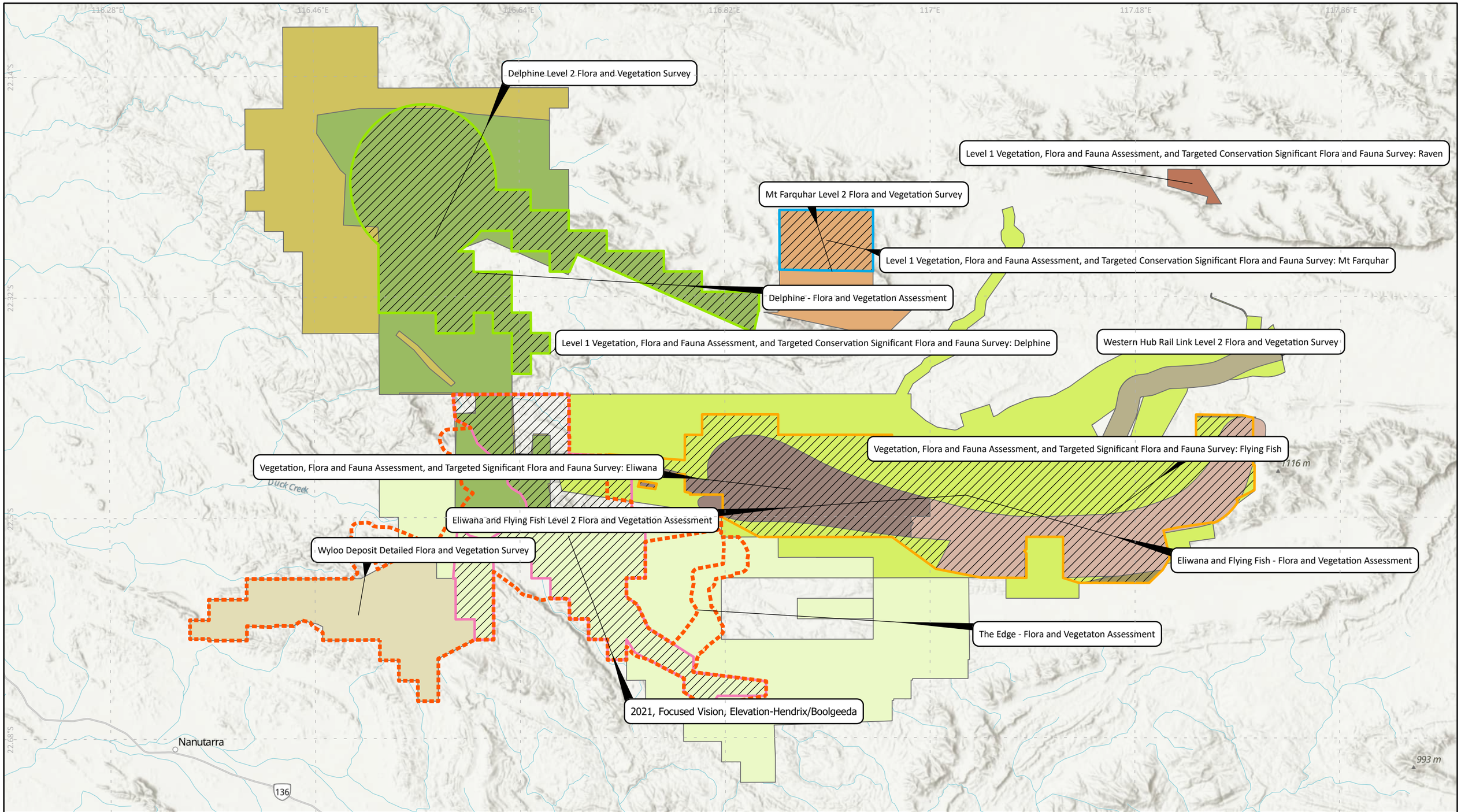
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR

## 2.8 PREVIOUS SURVEYS

The survey area and surrounds have been subject to several flora and vegetation surveys, including 8 that intersect with the survey area (Table 8, Map 7). Except for the survey of the Elevation-Hendrix/Boolgeeda area by Focused Vision (Focused Vision, 2022, 2025) and the Wyloo Deposit area by ecologia in 2021 and 2022 (Ecologia, 2023), all of the surveys intersecting the survey area were undertaken on or before 2017. One additional nearby flora and vegetation survey (Rio Tinto 2018, 'Flora, Vegetation and Fauna Habitat Assessment at Bourne Highway'), which apparently intersects with the northwestern section of the survey area, was found on the IBSA database, but no associated data were able to be accessed.

**Table 8: List of previous flora and vegetation surveys near to the survey area.**

| Company | Report year | Report title | Survey type | Distance from survey area | Area (ha) |
|---|---|---|---|---|---|
| Ecoscape | 2012 | Delphine Level 2 Flora and Vegetation Survey | Flora and Vegetation Assessment (Level 2 - Single Phase) | Intersects | 78,383 |
| Ecoscape | 2012 | Eliwana and Flying Fish Level 2 Flora and Vegetation Assessment | Flora and Vegetation Assessment (Level 2 - Single Phase) | Intersects | 49,806 |
| Ecoscape | 2011 | Level 1 Vegetation, Flora and Fauna Assessment, and Targeted Conservation Significant Flora and Fauna Survey: Raven | Flora and Vegetation Assessment (Level 1) and Targeted Conservation Significant Flora Survey | 47 km | 816 |
| Ecoscape | 2011 | Level 1 Vegetation, Flora and Fauna Assessment, and Targeted Conservation Significant Flora and Fauna Survey: Delphine | Flora and Vegetation Assessment (Level 1) and Targeted Conservation Significant Flora Survey | 4.9 km | 30,385 |
| Ecoscape | 2011 | Level 1 Vegetation, Flora and Fauna Assessment, and Targeted Conservation Significant Flora and Fauna Survey: Mt Farquhar | Flora and Vegetation Assessment (Level 1) and Targeted Conservation Significant Flora Survey | 19 km | 4,618 |
| Ecoscape | 2012 | Mt Farquhar Level 2 Flora and Vegetation Survey | Flora and Vegetation Assessment (Level 2 - Two Phase) | 15.4 km | 9,571 |
| Ecoscape | 2011 | Vegetation, Flora and Fauna Assessment, and Targeted Significant Flora and Fauna Survey: Eliwana | Flora and Vegetation Assessment (Level 1) and Targeted Conservation Significant Flora Survey | Intersects | 12,268 |
| Ecoscape | 2011 | Vegetation, Flora and Fauna Assessment, and Targeted Significant Flora and Fauna Survey: Flying Fish | Flora and Vegetation Assessment (Level 1) and Targeted Conservation Significant Flora Survey | 15.4 km | 15,737 |
| Ecoscape | 2013 | Western Hub Rail Link Level 2 Flora and Vegetation Survey | Flora and Vegetation Assessment (Level 2 - Single Phase) | 29.1 km | 4,483 |
| Ecoscape | 2013 | Delphine - Flora and Vegetation Assessment | Flora and Vegetation Assessment (Level 2 - Two Phase) | Intersects | 52,806 |
| Ecoscape | 2013 | Eliwana and Flying Fish - Flora and Vegetation Assessment | Flora and Vegetation Assessment (Level 2 - Two Phase) | Intersects | 49,760 |
| Astron | 2014 | The Edge - Flora and Vegetation Assessment | Flora and Vegetation Assessment (Level 2 - Two Phase) | Intersects | 67,566 |
| Biota Environmental Sciences | 2017 | Eliwana Consolidated Detailed Flora and Vegetation Phase 2 | Flora and Vegetation Assessment (Level 2 - Two Phase) | Intersects | 91,010 |
| Focused Vision | 2022/25 | Elevation-Hendrix/Boolgeeda Detailed Flora and Vegetation Assessment | Detailed Flora and Vegetation Assessment | Intersects | 26,586 |
| Ecoscape | In review | J6 Detailed Flora and Vegetation Assessment | Detailed Flora and Vegetation Assessment | 13 km | No data provided |
| SLR Consulting | In review | Lora Cobra Detailed Flora and Vegetation Assessment | Detailed Flora and Vegetation Assessment | 2 km | No data provided |
| Ecologia | 2023 | Wyloo Deposit Flora and Vegetation Assessment | Detailed Flora and Vegetation Assessment | Within | 14,584 |




- Wyloo North Mine and Transport Options survey area
- 2011,Ecoscape,Level 1 Vegetation, Flora and Fauna Assessment, and Targeted Conservation Significant Flora and Fauna Survey: Raven
- 2012,Ecoscape,Delphine Level 2 Flora and Vegetation Survey
- 2012,Ecoscape,Eliwana and Flying Fish Level 2 Flora and Vegetation Assessment
- 2012,Ecoscape,Mt Farquhar Level 2 Flora and Vegetation Survey
- 2011,Ecoscape,Level 1 Vegetation, Flora and Fauna Assessment, and Targeted Conservation Significant Flora and Fauna Survey: Mt Farquhar
- 2013,Ecoscape,Delphine - Flora and Vegetation Assessment
- 2011,Ecoscape,Level 1 Vegetation, Flora and Fauna Assessment, and Targeted Conservation Significant Flora and Fauna Survey: Delphine
- 2014,Astron,The Edge - Flora and Vegetaton Assessment
- 2017,Biota Environmental Sciences,Eliwana Consolidated Detailed Flora and Vegetation Phase 2
- 2022,Ecologia,Wyloo Deposit Detailed Flora and Vegetation Survey
- 2011,Ecoscape,Vegetation, Flora and Fauna Assessment, and Targeted Significant Flora and Fauna Survey: Eliwana
- 2011,Ecoscape,Vegetation, Flora and Fauna Assessment, and Targeted Significant Flora and Fauna Survey: Flying Fish
- 2013,Ecoscape,Western Hub Rail Link Level 2 Flora and Vegetation Survey
- 2013,Ecoscape,Eliwana and Flying Fish - Flora and Vegetation Assessment
- 2021, Focused Vision, Elevation-Hendrix/Boolgeeda - Flora and Vegetation Assessment

ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:320,000 @A3

**Map 7:** Previous flora and vegetation surveys within 50 km of the survey area.

0 5 10 20
Kilometers

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, CGIAR

# 3 METHODOLOGY

## 3.1 FLORA AND VEGETATION ASSESSMENT

### 3.1.1 Field Survey

Part of the Wyloo North Mine and Transport Options survey area (the Wyloo deposit survey area) was initially surveyed by 3 *ecologia* botanists over 8 days between 28 June and 5 July 2021 and by 4 botanists over 8 days from 9 to 16 May 2022 (Ecologia, 2023). Focused Vision surveyed another portion of the survey area (which intersected with the Elevation-Hendrix/Boolgeeda survey area) in 2021 (23 – 27 June and 25 – 29 August). The remaining portions of the survey area were surveyed by 4 *ecologia* botanists over 16 days from 22 – 29 April 2024 and 12 – 19 August 2024.

The surveys were conducted in accordance with the *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (EPA, 2016b), primarily by sampling vascular plant species within quadrats. To provide a more comprehensive species inventory for the survey area, quadrat sampling was supplemented by additional opportunistic sampling along traverses.

### 3.1.2 Quadrat Sampling

Sampling site locations were selected using a combination of aerial photography, topographic features, land system mapping, pre-European vegetation mapping, and field observations, to represent the geomorphological and floristic variation found within the survey area. At least 3 sites were selected to represent each potentially distinct plant community in accordance with EPA (2016b). However, as vegetation types were classified according to total floristic composition and could not be determined until data analysis has been completed, final vegetation types may in some cases be represented by fewer than 3 sites. Some vegetation types may also have fewer than 3 sites if they were spatially restricted within the survey area. Sites were positioned to avoid obvious transition zones between plant communities and were preferentially placed in areas of intact mature vegetation and minimal disturbance.

Two-hundred and eighty-four (284) sampling sites (254 quadrats, 26 relevés, and 4 mapping notes) were assessed within the survey area by *ecologia* (Map 8). These were supplemented by an additional 136 sites (133 quadrats and 3 relevés) sampled by Focused Vision (2022). All quadrats were 50 m x 50 m in dimension or of an equivalent area, and in most cases had a north-south orientation. Quadrats were measured prior to assessment and the location of each corner was recorded. Relevés were sampled in cases where installation of suitably sized quadrats was not feasible (e.g., narrow creeks, edges of water bodies). In this report a relevé is defined as an irregularly shaped sampling plot in which comprehensive floristic data are recorded within an area approximating a 50 m x 50 m quadrat.

Due to very dry season conditions in April 2024, most of the quadrats that required reassessment were resurveyed under better conditions in August 2024.

The following attributes were recorded from each quadrat and relevé:

- Site code.
- GPS coordinate of all corners (central location for relevé).
- Photograph from the north-west corner (central location for relevé).
- A comprehensive species list (including introduced species).
- The dominant heigh class (ESCAVI, 2017) and estimated percentage foliage cover (using a variant of the Domin scale) of each species (< 1%, 1-4%, 5-9%, 10-24%, 25-32%, 33-49%, 50-74%, 95-100%). Where isolated tall shrub and tree species are present in the surrounding landscape and do not occur within a quadrat, then the species may be recorded as an ‘associated species’ (Assoc.) if it is considered important to the overall description of the community.
- Vegetation condition according to EPA (2016b) (adapted from Trudgen 1988) (Table 9) and description of disturbance.

- Additional information to assist vegetation characterisation, including landform, slope, aspect, soil type, surface geology, and fire history.

**Table 9: Vegetation condition scale.**

| Vegetation condition | Criterion |
|---|---|
| Excellent | Pristine or nearly so, no obvious signs of damage caused by human activities since European settlement. |
| Very Good | Some relatively slight signs of damage caused by human activities since European settlement. For example, some signs of damage to tree trunks caused by repeated fire, the presence of some relatively non-aggressive weeds, or occasional vehicle tracks. |
| Good | More obvious signs of damage caused by human activity since European settlement, including some obvious impact on the vegetation structure such as that caused by low levels of grazing or slightly aggressive weeds. |
| Poor | Still retains basic vegetation structure or ability to regenerate it after very obvious impacts of human activities since European settlement, such as grazing, partial clearing, frequent fires or aggressive weeds. |
| Degraded | 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 | 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. |

### 3.1.3 Significant Species

Targeted searches for significant plant species identified from desktop assessment were made along traverses in areas of potential suitable habitat, and within representative areas of each of the major landforms and plant communities present within the survey area. Previous locations of significant species were not searched. Given the size of the survey area and time constraints not all areas potentially supporting significant species could be searched. Where significant species were observed, the following parameters were recorded:

- Location (for individual or localised plants) or population boundary (for more extensive populations, time permitting).
- Number of plants (count, for individual or localised plants) or estimated number of plants for more extensive populations.
- Reproductive state.
- Vegetation type.
- Landform.

The initial likelihood of occurrence assessment for each species was reviewed following the field survey based on the level of survey effort, seasonal conditions, vegetation condition, and the presence of suitable habitat.

### 3.1.4 Specimen Identification

Specimen identification was undertaken with Dr. Andrew Craigie with reference to current taxonomic literature and herbarium reference specimens. Scientific names used in this report follow the species concepts currently adopted by the Western Australian Herbarium. Specimens that could not be adequately identified to genus or species level due to the absence of reproductive material required for positive identification were indicated with a query but were not considered to be otherwise anomalous. Some material was forwarded to identification specialists at the Western Australian Herbarium for confirmation.

### 3.1.5 Range Extensions

Species records from the survey area that were at least 100 km from the nearest confirmed record (ALA preserved specimen data, accessed on 15/05/2025) and either at the extreme edge of the species' range or an isolated outlier were considered significant. Records that were at least 100 km from the nearest confirmed record but occurred broadly within the known distribution of the species were not considered representative of the range of the species and therefore not significant. Records less than 100 km from the nearest known record were not considered to be range extensions for the purposes of this assessment.

### 3.1.6 Asymptotic Species Richness and Rarefaction

Estimators of asymptotic species richness use abundance or incidence data as a means of estimating the number of undetected species in an assemblage (Gotelli & Colwell, 2012). Asymptotic species richness was estimated for the survey area using the Chao 2 non-parametric sample-based estimator in EstimateS v9.1 with the default settings (Colwell, 2013) and 9,999 randomisations. To provide some indication of survey completeness, a sample-based rarefaction curve, which displays the rate at which new species are found within a sample in relation to increasing sampling effort, was also calculated in EstimateS and plotted against the Chao 2 species richness estimator and its 95% confidence intervals. Rarefaction curves and estimates of species richness may provide some measure of survey completeness relating specifically to the proportion of species recorded, at least for the season in which the survey was conducted. Should the curve reach an asymptote, few additional species would be expected to have been recorded should additional samples have been taken in similar areas during the same season.

### 3.1.7 Data Consolidation and Vegetation Classification

The consolidated vegetation dataset consisted of 415 quadrats and relevés sampled by *ecologia* and Focused Vision. Fourteen (14) sites were excluded as they were too degraded, fire history was too recent, or they were assessed under poor seasonal conditions and were unable to be resurveyed. Some taxa were amalgamated prior to analysis if reasonable to do so rather than excluding records (Appendix B). All indeterminate records were presumed to be the nominated taxon (e.g., records of *Acacia* ?*aptaneura* were assumed to be *Acacia aptaneura*). Singletons (taxa recorded from only one site) were excluded. Species names were checked against the current Western Australian Plant Census to ensure taxonomic consistency across datasets. The final dataset used for classification included 401 sites and 308 taxa. Hierarchical agglomerative clustering was used together with similarity profile analysis (SIMPROF) as a hypothesis testing-based approach for assessing multivariate group structure and to inform the classification of groups of floristically similar sites into vegetation types. All analyses were conducted in R 4.1.2 (R Core Team, 2021).

Although EPA (2016a) suggests converting cover data from multiple surveys to presence-absence, cover data were used in this case since all surveys were undertaken during the primary survey season for the Pilbara and cover estimate methodologies were comparable between surveys. Slight differences in seasonal conditions and cover estimates between surveys are unlikely to have any notable impact on the results of the cluster analysis and the potential information loss from excluding cover data is suboptimal for this type of assessment. Percentage cover scores recorded using the Domin scale were converted to percentage cover using the 'Domin 2.6' transformation (Currall, 1987). Pair-wise site dissimilarity was calculated from square root transformed percentage cover data using Bray-Curtis dissimilarity, and subsequent hierarchical agglomerative clustering used the unweighted pair-groups method using arithmetic averages (UPGMA). The site dissimilarity matrix and dendrogram were generated using the 'simprof' function of *clustsig* (Whitaker & Christman, 2014) and statistically different clusters of sites were determined with 999 permuted similarity profiles and $\alpha = 0.001$ as suggested by Clarke, Somerfield, and Gorley (2008).

Within a dendrogram, SIMPROF detects groups of homogenous objects (sampling sites) with respect to a set of descriptors (species) and provides a means of stopping unwarranted over-interpretation of group substructure. When no significant group structure is detected by the test there is no justification for further interpretation of substructure, and sites at this point may be considered essentially homogenous (i.e., vegetation types). Some groups identified by SIMPROF can be too fine to meaningfully interpret in an ecological context and, in such cases, it is appropriate to define coarser groupings as vegetation types provided they are supersets of the SIMPROF groups (Clarke et al., 2008).

Non-metric multidimensional scaling (NMDS) ordination was used as an independent clustering method to assess relationships among clusters and to visually validate the SIMPROF classification by assessing cluster compactness and dissimilarity from neighbouring clusters. The aim was not to define only highly discrete and compact groups as vegetation types as doing so would likely obscure much of the community diversity present within the survey area. Rather, groups classified here as vegetation types should at least form reasonably distinct clusters with minimal overlap with neighbouring clusters. NMDS using Bray-Curtis dissimilarity was conducted using the 'MetaMDS' function of *vegan* (Oksanen et al., 2017). A stress value for the ordination was calculated to determine if the 2-dimentional configuration of points is a good representation of the actual similarity between sites, where stress < 0.2 is considered acceptable.

### 3.1.8 Vegetation Characterisation

The groups identified as vegetation types using the procedures described above were characterised by the constancy of shared species, shared dominant species, diagnostic species, and other abiotic attributes (e.g., soil, landform).

Vegetation types were given descriptive names consistent with NVIS Level V – Association (ESCAVI, 2017), which include structural features and dominant or diagnostic species. Plant communities are naturally variable across wide geographic areas and vegetation types here are delineated based on the overall floristic similarity of sites. Species included in descriptive names are therefore those that are most characteristic of the vegetation type but were not necessarily present at all sites. Species that are dominant in some examples of a community but present in ≤50% of sites representing that community are indicated with '±' in the description.

### 3.1.9 Vegetation Mapping

Preliminary vegetation mapping of the survey area was undertaken prior to the survey and in the field using aerial imagery and data from ground-truthed sites. Vegetation types were then determined post-survey using the floristic classification methods described above and applied to these ground-truthed areas. Vegetation type boundaries were refined using aerial imagery in ESRI ArcGIS Pro. Extrapolative mapping was undertaken in areas that could not be ground-truthed and was based on observed similarities in spectral and structural features between ground-truthed sites and unvisited areas.

Existing mapping for Elevation-Hendrix/Boolgeeda (Focused Vision, 2022) was consolidated with *ecologia*'s mapping of the remainder of the survey area. Focused Vision's mapping boundaries were maintained where possible, but some changes were made where they did not align with the results of the consolidated vegetation classification.

Vegetation condition mapping was undertaken in a similar manner, with reference to the condition recorded at sampled sites using the EPA scale (EPA, 2016b), opportunistic observations, and aerial imagery. In some cases, small changes in vegetation condition over large areas could not be perceived from aerial imagery or feasibly mapped in the field; in these cases, the best vegetation condition for the area was applied.

### 3.1.10 Regional Quadrat Assessment

To determine if any of the vegetation types were also potentially present outside of the survey area a regional analysis was done which included 644 quadrats from 9 surveys within 50 km of the survey area (Table 10). Species names from these surveys were updated to reflect current taxonomy. Presence-absence data were used to calculate the Sorensen dissimilarity coefficient, since cover scores were not available for all quadrats. Otherwise, the data were treated the same as described in Section 3.1.6. The range (minimum and maximum) of pair-wise dissimilarities were calculated within each vegetation type, then the most similar regional quadrat to any quadrat within that vegetation type was identified. If the most similar regional quadrat's dissimilarity value was within the range of within-vegetation type dissimilarities, then the vegetation type was assumed to potentially occur outside of the survey area. This assessment was used to show to presence of floristically similar quadrats that may belong to the same vegetation type outside of the survey area; it cannot be used to confirm the presence of a vegetation type outside of the survey area.

**Table 10: Datasets included in regional analysis.**

| Company | Year | Report title |
|---|---|---|
| Biota Environmental Sciences | 2017 | Eliwana Consolidated Detailed Flora and Vegetation |
| Ecoscape | 2015 | Eliwana and Flying Fish Level 2 Flora and Vegetation Survey (Phase 2) |
| Astron Environmental Services | 2014 | Level 2 Flora and Vegetation Assessment Western Hub (The Edge) |
| Ecoscape | 2012 | Delphine Level 2 Flora and Vegetation Survey |
| Cardno | 2012 | Nyidinghu Rail Spur Flora and Vegetation Assessment |
| Ecoscape | 2015 | Delphine Level 2 Flora and Vegetation Survey (Phase 2) |
| Ecoscape | 2012 | Mt Farquhar Level 2 Flora and Vegetation Survey |
| Ecoscape | 2014 | Western Hub Rail Link Level 2 Flora and Vegetation Assessment |
| Coffey Environments | 2010 | 100709 Solomon Regional Flora Assessment Volume 1 |

### 3.1.11 Assessment of Vegetation Significance

The significance of each vegetation type was assessed against 11 criteria (Table 11) to assist the environmental impact assessment (EIA) process.

**Table 11: Criteria for assessment of potential vegetation significance.**

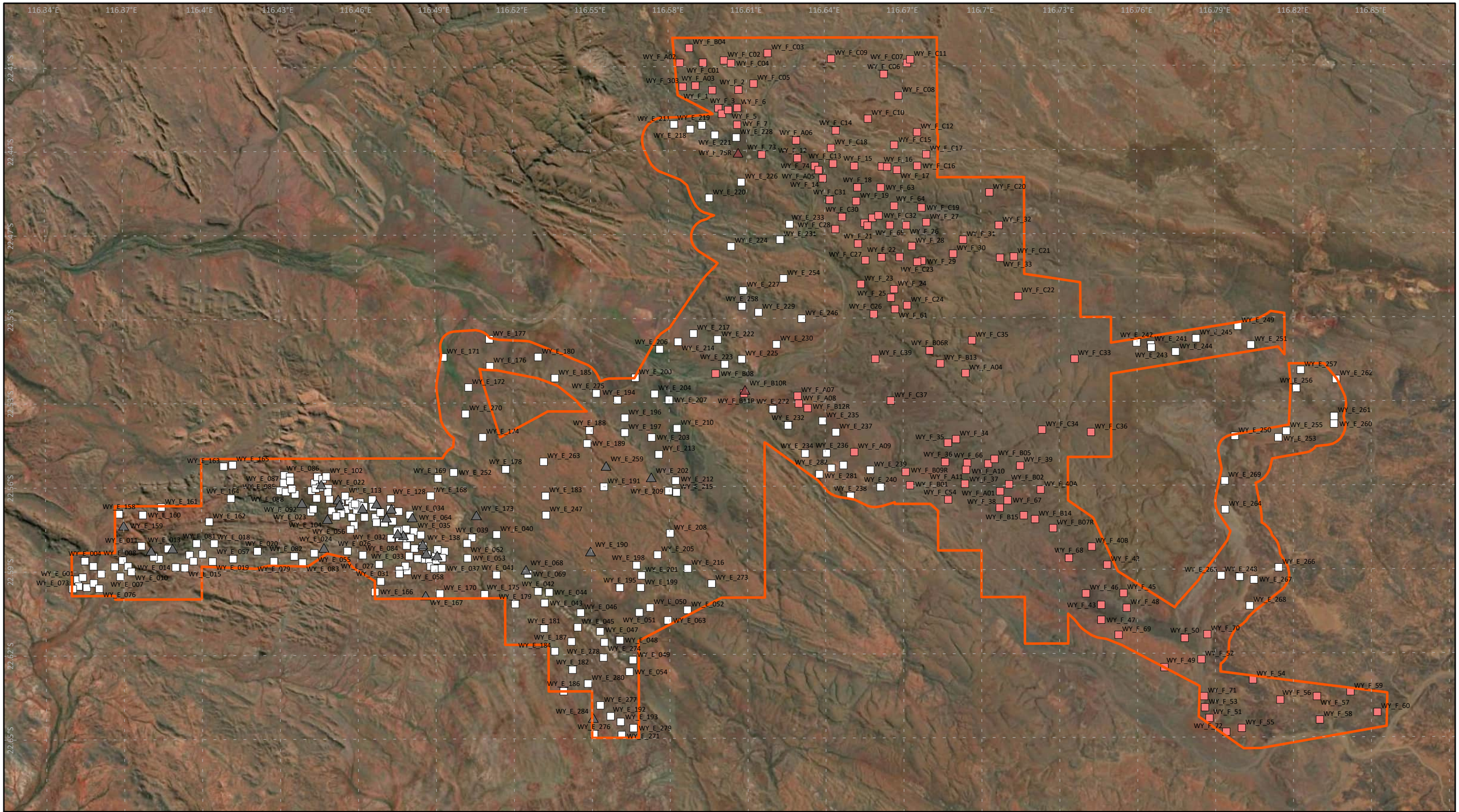
| Level | Criterion |
|---|---|
| **National** | 1. Vegetation supporting populations of Threatened (EPBC Act listed) plant species.<br>2. Vegetation corresponding to a nationally (EPBC Act) listed Threatened Ecological Community.<br>3. Vegetation which includes Ramsar wetlands and Nationally Important (DIWA) wetlands. |
| **State** | 4. Vegetation supporting populations of Threatened (BC Act) plant species.<br>5. Vegetation which corresponds to a BC Act listed Threatened Ecological Community.<br>6. Vegetation corresponding to a state (DBCA) listed Priority Ecological Community.<br>7. Vegetation occurring within a state-managed conservation estate (areas protected under the *Conservation and Land Management Act 1984*) or areas that have been formally recommended by DBCA for inclusion in the state conservation estate. |
| **Regional** | 8. Vegetation that is represented by less than 30% of its pre-European extent within the relevant bioregion. This criterion was assessed using the vegetation association mapping of Shepherd et al. (2002). |
| **Other** | 9. Refugia: habitats that have a restricted regional distribution (e.g., isolated hills which are remnants of an ancient eroding surface, islands, mound springs, sheltered gorges, or permanent wetlands in arid areas) that support vegetation or plant species that are restricted to these specific biotic or abiotic conditions<br>10. Restricted distribution: EPA (2016a) includes 'restricted distribution' as a category of potentially significant vegetation, but it is not defined. Vegetation is assumed here to be 'potentially restricted' if its mapped extent accounts for < 1% of the survey area.<br>11. Groundwater dependent vegetation (GDV) or sheet-flow dependent mulga (banded mulga). |

## 3.2 STUDY TEAM AND LICENCES

The project was undertaken by those summarised in Table 12.

**Table 12: Project staff and licences.**

| **Project staff** | | | | |
|---|---|---|---|---|
| **Name** | **Qualification** | **Role** | Project role | Experience |
| Shaun Grein | B.App. Sc (Biol.); Grad. Dip. Nat. Resources; MBA | Managing Director/Senior Principal Scientist | Project management, QA | 30+ |
| Andrew Craigie | B.Sc. (Hons.) (Botany); PhD (Botany) | Principal Botanist and Taxonomist | Field survey, specimen identification, data analysis | 15+ |
| Sandra Ng | B.Sc. (Marine Biol. and Cons. & Wildlife Biol.) | Botanist | Field survey, desktop assessment | 2+ |
| Amelia Shepherdson | B.Sc. (Botany) | Botanist | Field survey, desktop assessment | 1+ |
| Rob Sellers | B.Sc. (Cons. Biol. and Mngment) | Senior Botanist | Field survey | 5+ |
| Sam Hall | B.Sc. (Hons.) (Botany and Cons. Biol.) | Botanist | Field survey | 5+ |
| Lydia Ellwood | B.Sc. (Env. Mgmt. & Sust. & Cons. & WildlifeBiol.) | Botanist | Field survey | 2+ |
| Brett Neasham | B.Sc. (Hons.) (Biol. Sci.) | Senior Botanist | Field survey | 5+ |
| **Licences** | | | | |
| Andrew Craigie | Flora Taking (Biological Assessment) Licence: FB62000135-2 (exp. 30/04/2025)<br>Authorisation to Take Threatened Flora: TFL 54-1920 (exp. 30/4/2026) | | | |
| Rob Sellers | Flora Taking (Biological Assessment) Licence: FB2000198-2 (exp. 30/03/2026) | | | |
| Lydia Ellwood | Flora Taking (Biological Assessment) Licence: FB62000392 (exp. 06/02/2025) | | | |
| Sam Hall | Flora Taking (Biological Assessment) Licence: FB62000450 (exp. 3/07/2025) | | | |
| Sandra Ng | Flora Taking (Biological Assessment) Licence: FB62000543 (exp. 23/03/2026) | | | |
| Amelia Shepherdson | Flora Taking (Biological Assessment) Licence: FB62000723 (exp. 28/08/2025) | | | |
| Brett Neasham | Flora Taking (Biological Assessment) Licence: FB62000483 (exp. 07/11/2025) | | | |




Wyloo North Mine and Transport Options survey area

- Quadrat (ecologia)
- Relevé (ecologia)
- Quadrat (Focused Vision)
- Relevé (Focused Vision)

ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

Earthstar Geographics

**Map 8:** Locations of sampling sites within the survey area.

0 2.5 5 10
Kilometers

## 3.3 LIMITATIONS AND CONSTRAINTS

An assessment of survey-specific issues and limitations is detailed in Table 13. Except for recent fires in some parts of the survey area in 2024, there were no significant limitations identified, and overall survey effort was adequate.

**Table 13: Flora and vegetation survey limitations.**

| Aspect | Assessment | Constraint |
|---|---|---|
| Availability of contextual information at a regional and local scale | Broad vegetation, land system, soil, and geology mapping data were available for the survey area, in addition to DBCA Threatened and Priority Ecological Community spatial data. This information was adequate to provide appropriate contextual information for the survey. | Nil |
| Competency/experience of the team carrying out the survey, including experience in the bioregion surveyed | The personnel undertaking field work and specimen identification were suitably qualified and have conducted numerous botanical surveys within the Eremaean botanical province. Key personnel leading the field survey and undertaking specimen identification, data analysis, vegetation mapping, and reporting have over 10 years' experience with flora and vegetation surveys in the Pilbara region. | Nil |
| Proportion of flora recorded and/or collected, any identification issues | All species encountered during the survey were recorded within sampling sites or opportunistically. Representative specimens of all taxa recorded in the field were collected for confirmation. Some specimens could not be identified to species level due to a lack of required reproductive material, but a small number of unidentified samples is unlikely to have any impact on the classification of plant communities at this scale. | Nil |
| Was the appropriate area fully surveyed (effort and extent) | Four-hundred and twenty (420) sampling sites were assessed within the survey area as well as additional targeted searches and opportunistic collections. The appropriate area was sufficiently surveyed. | Nil |
| Access restrictions within the survey area | There were no access restrictions. A helicopter was used to access more remote parts of the survey area. | Nil |
| Survey timing, rainfall, season of survey | The surveys in 2024 were conducted within the recommended timing for primary and supplementary flora and vegetation surveys in the Eremaean Botanical Province (EPA 2016). Seasonal conditions were very dry during the first survey in April 2024, but almost all quadrats that required resurveying were resurveyed in August 2024 under acceptable conditions.<br>Seasonal conditions during all other surveys (*ecologia* and Focused Vision in 2021 and *ecologia* in 2022) were also adequate (Ecologia, 2023; Focused Vision, 2022). | Minor |
| Disturbance that may have affected the results of survey such as fire, flood or clearing | Parts of the survey area were affected by recent fires just prior to the 2024 surveys. In most cases, however, patches of adjacent unburned vegetation, which presumably also represented the same vegetation as the surrounding burned areas, were able to be surveyed. | Minor |

# 4 RESULTS

## 4.1 FLORA

### 4.1.1 Floristic Diversity and Estimated Species Richness

A total of 482 vascular plant taxa (species, infraspecific taxa, and phrase names) from 60 families and 184 genera were recorded within 420 sampling sites (quadrats, relevés, and vegetation description sites) and opportunistically (Appendix B). Of these species, 178 (ca. 37%) were annuals or short-lived perennials, and 17 (ca. 3.5%) were introduced. Fourteen (14) taxa (2.5%) could not be confidently identified to species level due to a lack of reproductive material. The most dominant families in terms of species richness were the Fabaceae (76 taxa), Poaceae (56), Malvaceae (48), Amaranthaceae (28), Asteraceae (26), and Chenopodiaceae (19). The most dominant genera were *Acacia* (32 taxa), *Ptilotus* (18), *Eremophila* (14), *Sida* (14), *Senna* (11), and *Solanum* (11) (Appendix B). Most genera (101) were represented by only one taxon. Eighty-four (84) taxa were recorded from only a single sampling site (singletons), and 46 taxa were recorded from only 2 sample sites (doubletons) (Table 14).

The estimated species richness for the survey area using the Chao2 estimator was approximately 544 species (Table 14). Observed species richness (S) after sampling 415 sites and including opportunistic records was 482, suggesting that only 11.2% of the total estimated species were undetected. The rarefaction curve did not show accumulation of new species tending towards zero (asymptote) by 415 sites (Figure 2) suggesting that additional site-based survey effort would probably result an increase in the number of taxa recorded at sites.

**Table 14: Species richness summary and estimates for the survey area.**

| | |
|---|---|
| N (number of reference samples) | 415 |
| S (observed number of taxa within quadrats) | 470 |
| No. of singletons | 84 |
| No. of doubletons | 46 |
| No. taxa not observed in quadrats | 15 |
| Total taxa observed (including opportunistic records) | 482 |
| Estimated species richness (Chao2) | 543.99 ± 21.26 |
| Percent of species undetected | 11.2% |

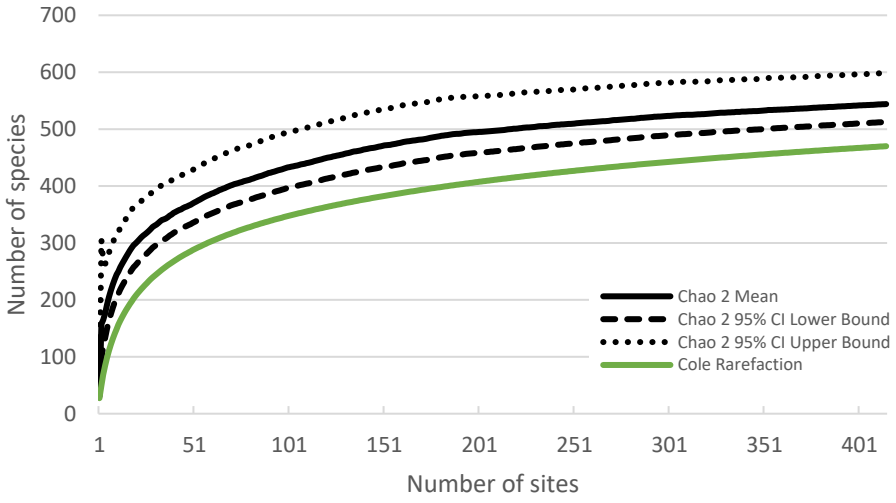



**Figure 2: Asymptotic species richness estimated by the Chao2 non-parametric richness estimator and rarefaction curve (species observed) for the survey area after 415 sampling sites.**

### 4.1.2 Significant Species

**Threatened species**

No EPBC Act or BC Act listed Threatened species were observed except for *Seringia exastia* (EPBC Act, Critically Endangered). Binks, Wilkins, Markey, Lyons, and Byrne (2020) completed a revision of genomic and morphological characters in several *Seringia* taxa concluding that *Seringia elliptica,* a common species that is widespread throughout the Pilbara region, was a synonym of *S. exastia*. Consequently, a nomination to delist *S. exastia* has been made and it is anticipated the species will be delisted at the next WA Threatened Species Scientific Committee (TSSC). There is therefore no requirement in WA to specifically survey for *S. exastia*, but it should be recorded if observed (DBCA, pers. comm.), and it is not discussed further.

**Priority species**

Fifteen (15) DBCA listed Priority taxa were recorded within the survey area (Table 15, Map 9, Map 10). This includes *Dicladanthera glabra* (P2) which was recorded within the survey area by Biota in 2017 but was not recorded by either *ecologia* or Focused Vision. In a reassessment of the likelihood of occurrence for the species identified during the desktop assessment, the species that were initially considered to potentially occur but were not recorded as part of these surveys are now considered unlikely to occur (Table 16).

The single specimen identified as *Solanum* ?*pycnotrichum* was sterile and could not be confirmed. The specimen was believed to belong to the *Solanum sturtianum* group and was consistent with *S. pycnotrichum* (P2) due to its non-glandular indumentum, relatively few stem prickles, and dense stellate hairs with 6-8 lateral rays on the adaxial leaf surface. The specimen also resembled *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) (see description below) but was apparently not glandular.

The Focused Vision records of '*Cyanthillium* sp.' were seen by staff at the Western Australian Herbarium but could not be definitively identified due to a lack of reproductive material (Focused Vision, 2025). Given that there are unlikely to be any other known *Cyanthillium* species in this area, these records have been included with *C. gracile* (P3) when calculating abundance.

**Atypical specimens**

One *Eremophila* record made by Focused Vision (*Eremophila* sp. (coll. code KH27), PERTH 09729232) was recognised by the Western Australian Herbarium as a potential new species (Focused Vision, 2025). It was recorded from a single location with an abundance of 5 individuals, within vegetation type ElApTw.

There were no additional specimens collected that were believed to represent unrecognised species. Although several taxa were unable to be identified confidently to species level, these were lacking the reproductive material required for positive identification and were not considered to be otherwise anomalous.

**Recently recognised taxa**

An unrecognised species of *Solanum* was recorded within the survey area by *ecologia* in July 2021. These collections, which were considered by M. Hislop (WA Herbarium) to likely represent a new species, were subsequently given the phrase name *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) and listed as Priority 1. The same entity was recorded by 360 Environmental from the nearby Loras and Cobra deposits area (approx. 26 km to the northeast) also in 2021, along with an older previously unidentified record from 2012 near Mount Farquhar (approx. 43 km to the northeast). The following information is derived from material collected from the survey area only and does not necessarily apply to collections from outside of the survey area.

*Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) was recorded in 2021 on a creek bank at the base of a rocky ironstone/banded ironstone formation (BIF) hill on red-brown loamy soil (Plate 3) (represented by quadrat WY_E_106). The 60 individuals recorded were primarily juvenile plants (Plate 3), but mature flowering individuals were recorded during both phases of the survey (July 2021 and May 2022). Fruits were only recorded in early July 2021. A second record of a single plant was made in 2024 from the channel of a degraded creek (quadrat WY_E_171).

The most dominant plant species associated with the primary site were *Eucalyptus victrix* and *Eucalyptus leucophloia* subsp. *leucophloia* in the upper tree layer; *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618), *Acacia citrinoviridis*, *Acacia pyrifolia* var. *pyrifolia*, *Acacia tumida* var. *pilbarensis*, *Flueggea virosa* subsp. *melanthesoides*, and *Grevillea wickhamii* subsp. *hispidula* in the upper shrub layer; *Corchorus crozophorifolius* and *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) in the lower shrub layer; and *Triodia pisoliticola* (P3), *Triodia wiseana*, *Themeda triandra*, and *Eriachne tenuiculmis* in the ground layer. *Solanum elatius* and *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3) were also recorded from the same site.

*Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) is a member of the *Solanum sturtianum* subgroup because of its dry black fruit with a thin brittle pericarp, sparse to relatively dense prickles on the stems, stellate hairs, and purple to mauve rotate corolla (Bean, 2013; R. W. Purdie, Symon, & Haegi, 1982) (Plate 2). Within this subgroup it is most similar to *S. octona* and *S. pycnotrichum* (both of which are represented by only a single record in the Pilbara) due to its relatively sparse stems prickles and most stellate hairs on the leaves with few (<10) lateral rays. Specimens of *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) also share additional features of both species: with *S. octona* they share the sparse indumentum on the upper leaf surface (dense to very dense in *S. pycnotrichum*) and the sparse prickles on the midrib (prickles absent from the leaves in *S. pycnotrichum*), and with *S. pycnotrichum* they share the stellate hairs on the leaves with the central ray consistently longer than the laterals (central ray shorter than the laterals in *S. octona*) and anthers usually exceeding 7 mm (to 6.5 mm in *S. octona*) (Bean, 2013).

*Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) differs most notably from both *S. octona* and *S. pycnotrichum* by its glandular indumentum (the central ray is glandular at the apex), which is present on the stems, leaves, and inflorescence, including on the calyx and corolla. Material from the survey area differs further from both species by the stellate hairs on the lower leaf surface usually having fewer lateral rays (typically 4–5), compared to 7–11 (typically 8) in *S. octona* and 6–8 in *S. pycnotrichum* (Bean, 2013). The upper leaf surface in the material examined also appears to have some simple (non-stellate) hairs and some stellate hairs with only 1–3 lateral rays. The density of stem prickles is somewhat variable in material of *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) from the survey area, with some individuals having relatively few stem prickles, but some with ca. 150 prickles per 0.1 m of stem, which is notably higher than the 10–56 prickles cited for *S. octona* and 10–32 prickles for *S. pycnotrichum* (Bean, 2013).

### 4.1.3 Range Extensions

Ten (10) species recorded within the survey area occurred more than 100 km from the nearest confirmed locations (Map 11, Table 17). For 3 species, the records occurred within the known range of the species (*Amyema benthamii*, *Teucrium* ?*teucriiflorum*, and *Triodia schinzii*) and are therefore not significant (Map 11). *Triodia schinzii* has also been recorded approximately 10 km west of the survey area (Fortescue's environmental database) (Map 11). For the remaining species, these records are notable range extensions at the extreme edge of their known distribution or are isolated outliers (Map 11). Specimens representing significant range extensions (*ecologia* specimens only) will be lodged with the WA Herbarium.

### 4.1.4 Introduced Species

Seventeen (17) introduced plant species were recorded within the survey area (Table 18). Fourteen (14) of these species are listed as 'Permitted - s11' and 3 are not listed. There were no Declared Pests or WONS recorded. Ecological impact and invasiveness ratings have been determined for introduced species in the Pilbara region using the Weed Prioritisation Process (DPaW, 2013), which are listed for these species in Table 18.

**Table 15: Summary of significant plant species recorded within the survey area.**

| | Total individuals recorded within survey area (ecologia and Focused Vision records) | Additional individuals recorded within the survey area (DBCA and Fortescue records) | Total individuals recorded within 40 km of survey area[1] | Percentage of total individuals within survey area |
|---|---|---|---|---|
| **Priority 1** | | | | |
| *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | 61 | 0 | 61 | 100.00% |
| **Priority 2** | | | | |
| *Dicladanthera glabra*[2] | 0 | 241 | 241 | 100.00% |
| *Pentalepis trichodesmoides* subsp. *hispida* | 58 | 4 | 218 | 28.44% |
| *Solanum ?pycnotrichum* | 2 | 0 | 2 | 100.00% |
| **Priority 3** | | | | |
| *Cyanthillium gracile*[3] | 10 | 201 | 678 | 31.12% |
| *Fimbristylis sieberiana* | 50 | 0 | 50 | 100.00% |
| *Indigofera rivularis* | 1,944 | 1,206 | 6,407 | 49.16% |
| *Ipomoea racemigera* | 1 | 0 | 3 | 33.33% |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | 227 | 369 | 892 | 66.81% |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | 508 | 0 | 509 | 99.80% |
| *Terminalia supranitifolia* | 5 | 58 | 63 | 100.00% |
| *Triodia pisoliticola* | 54,059 | 9,601 | 87,556 | 72.71% |
| **Priority 4** | | | | |
| *Eremophila magnifica* subsp. *magnifica* | 2 | 25 | 299 | 9.03% |
| *Ptilotus mollis* | 2,620 | 106 | 3,525 | 77.33% |
| *Rhynchosia bungarensis* | 442 | 967 | 1,787 | 78.85% |
| **Other (Anomalous features, potentially new species)** | | | | |
| *Eremophila* sp. (coll. code KH27) | 5 | 0 | 87 | 5.75% |

[1]Includes records from spatial data provided by Fortescue, DBCA (WAHERB and TPFL), and records from the current *ecologia* and Focused Vision surveys. In cases where abundance data were not provided (e.g., WAHERB data), abundance was assumed to be 1.

[2]*Dicladanthera glabra* was recorded on previous surveys within the current survey area but not recorded by either *ecologia* or Focused Vision.

[3]Includes Focused Vision records of '*Cyanthillium* sp.'

**Table 16: Reassessment of desktop likelihood of occurrence.**

| Taxon | Status (DBCA) | Assessment |
|---|---|---|
| **Post-survey likelihood: Recorded[1]** | | |
| *Cyanthillium gracile* | P3 | Recorded within the survey area |
| *Dicladanthera glabra* | P2 | Recorded within the survey area |
| *Eremophila magnifica* subsp. *magnifica* | P4 | Recorded within the survey area |
| *Indigofera rivularis* | P3 | Recorded within the survey area |
| *Ipomoea racemigera* | P3 | Recorded within the survey area |
| *Pentalepis trichodesmoides* subsp. *hispida* | P2 | Recorded within the survey area |
| *Ptilotus mollis* | P4 | Recorded within the survey area |
| *Rhynchosia bungarensis* | P4 | Recorded within the survey area |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | P3 | Recorded within the survey area |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | P3 | Recorded within the survey area |
| *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | P1 | Recorded within the survey area |
| *Terminalia supranitifolia* | P3 | Recorded within the survey area |
| *Triodia pisoliticola* | P3 | Recorded within the survey area |
| **Post-survey likelihood: Unlikely** | | |
| *Acacia bromilowiana* | P4 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Eragrostis surreyana* | P3 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Eremophila magnifica* subsp. *velutina* | P3 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Grevillea saxicola* | P3 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Isotropis parviflora* | P3 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Triodia basitricha* | P3 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Triodia lutiteana* | P1 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Hibiscus campanulatus* | P1 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Oxalis* sp. Pilbara (M.E. Trudgen 12725) | P3 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Solanum kentrocaule* | P3 | Suitable habitat present but species not recorded despite reasonable survey effort |
| *Glycine falcata* | P3 | Suitable habitat not present |
| *Paspalidium retiglume* | P2 | Suitable habitat not present |
| *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) | P3 | Suitable habitat not present |
| **Not identified during desktop assessment** | | |
| *Fimbristylis sieberiana* | P3 | Recorded within the survey area |
| *Solanum ?pycnotrichum* | ?P2 | Recorded within the survey area |

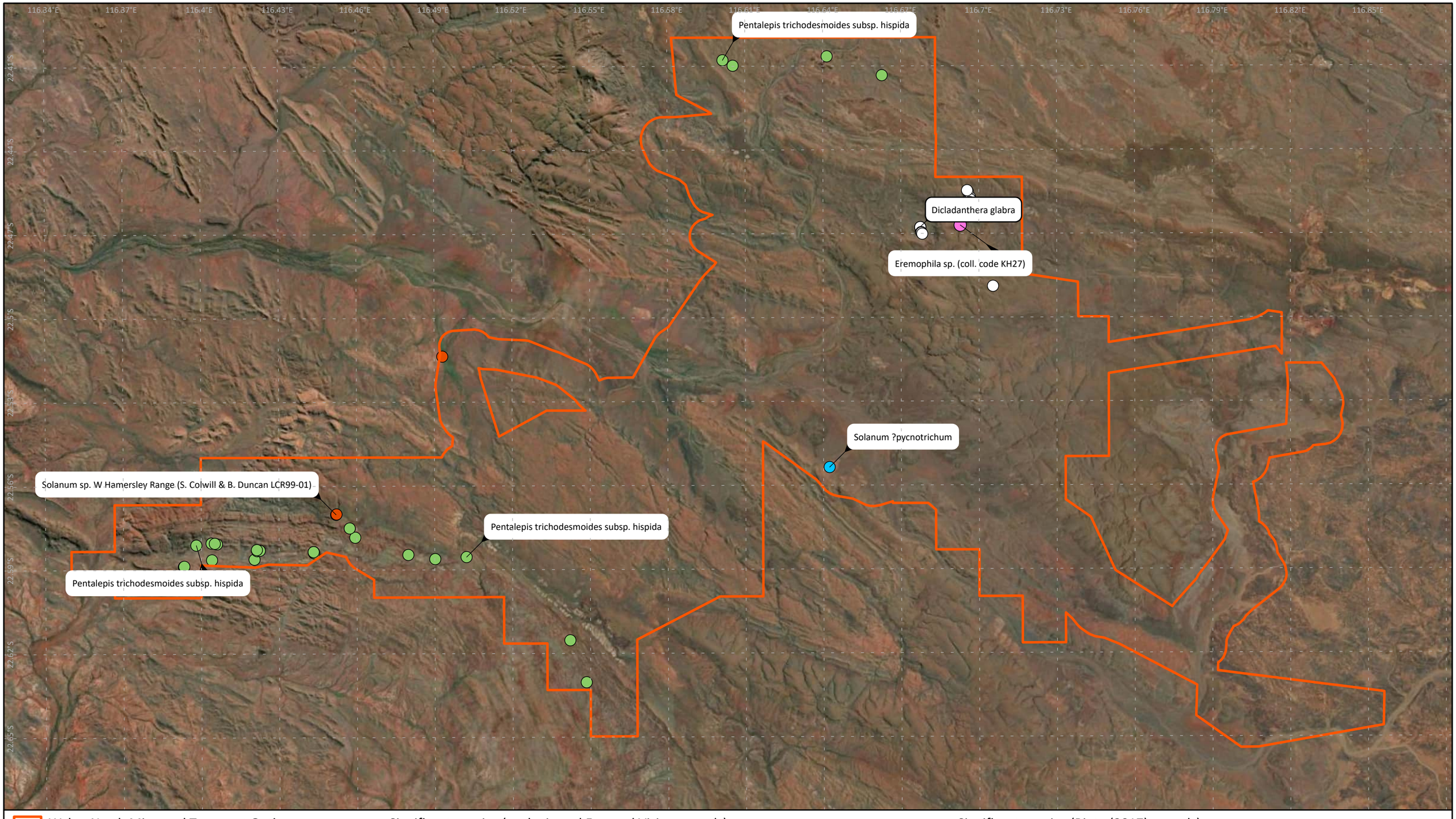
**Table 17: Range extension records for the survey area.**

| Species | Distance to nearest record | Record significance | Recorded by |
|---|---|---|---|
| *Acacia balsamea* | 300 km east of survey area | Significant: at edge of range | Focused Vision (2022) |
| *Acacia catenulata* subsp. *occidentalis* | 180 km southeast of survey area | Significant: isolated outlier | Focused Vision (2022) |
| *Acacia glaucocaesia* | 150 km north and east of survey area | Significant: at edge of range | Focused Vision (2022) |
| *Amyema benthamii* | 102 km north of survey area | Not significant: within known range | Ecologia (2024) |
| *Enneapogon pallidus* | 130 km east of survey area | Significant: at edge of range | Focused Vision (2022) |
| *Euploca skeleton* | 140 km northeast of survey area | Significant: at edge of range | Ecologia (2024) |
| *Ipomoea calobra* | 130 km southwest of survey area | Significant: at edge of range | Focused Vision (2022) |
| *Ipomoea racemigera* | 102 km northeast of survey area | Significant: at edge of range | Focused Vision (2022) |
| *Teucrium ?teucriiflorum* | 125 km east of survey area | Not significant: within known range | Focused Vision (2022) |
| *Triodia schinzii* | 101 km west and north of survey area. One Fortescue record ca. 10 km west of the survey area. | Not significant: within known range | Focused Vision (2022) |

**Table 18: Summary of introduced species recorded within the survey area.**

| Taxon name | Common name | Family | WAOL | Ecological impact[1] | Invasiveness[1] |
|---|---|---|---|---|---|
| *Aerva javanica* | Kapok bush | Amaranthaceae | Permitted - s11 | High | Rapid |
| *Argemone ochroleuca* subsp. *ochroleuca* | Mexican poppy | Papaveraceae | Not listed | Unknown | Rapid |
| *Bidens bipinnata* | Bipinnate begger's tick | Asteraceae | Permitted - s11 | Unknown | Rapid |
| *Cenchrus ciliaris* | Buffel grass | Poaceae | Permitted - s11 | High | Rapid |
| *Cenchrus setiger* | Birdwood grass | Poaceae | Permitted - s11 | High | Rapid |
| *Cynodon dactylon* | Couch | Poaceae | Permitted - s11 | High | Rapid |
| *Datura leichhardtii* subsp. *leichhardtii* | Leichhardt's thornapple | Solanaceae | Not listed | Unknown | Unknown |
| *Echinochloa colona* | Awnless barnyard grass | Poaceae | Permitted - s11 | High | Rapid |
| *Flaveria trinervia* | Speedy weed | Asteraceae | Not listed | Not listed | Not listed |
| *Malvastrum americanum* | Spiked malvastrum | Malvaceae | Permitted - s11 | High | Rapid |
| *Passiflora foetida* var. *hispida* | Stinking passion flower | Passifloraceae | Permitted - s11 | High | Rapid |
| *Rumex vesicarius* | Ruby dock | Polygonaceae | Permitted - s11 | High | Rapid |
| *Setaria verticillata* | Whorled pigeon grass | Poaceae | Permitted - s11 | High | Rapid |
| *Sigesbeckia orientalis* | Indian weed | Asteraceae | Permitted - s11 | Unknown | Rapid |
| *Sonchus oleraceus* | Common sowthistle | Asteraceae | Permitted - s11 | Low | Rapid |
| *Tribulus terrestris* | Caltrop | Zygophyllaceae | Permitted - s11 | Unknown | Moderate |
| *Vachellia farnesiana* | Mimosa bush | Fabaceae | Permitted - s11 | High | Rapid |

[1]Rating based on the Western Australian Weed Prioritisation Process.




Wyloo North Mine and Transport Options survey area

Significant species (ecologia and Focused Vision records)

- Priority 1 (DBCA) - Solanum sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01)
- Priority 2 (DBCA) - Pentalepis trichodesmoides subsp. hispida
- Priority 2 (DBCA) - Solanum ?pycnotrichum
- Other (potentially new taxa),Eremophila sp. (coll. code KH27)

Significant species (Biota (2017) records)

- Priority 2 (DBCA) - Dicladanthera glabra

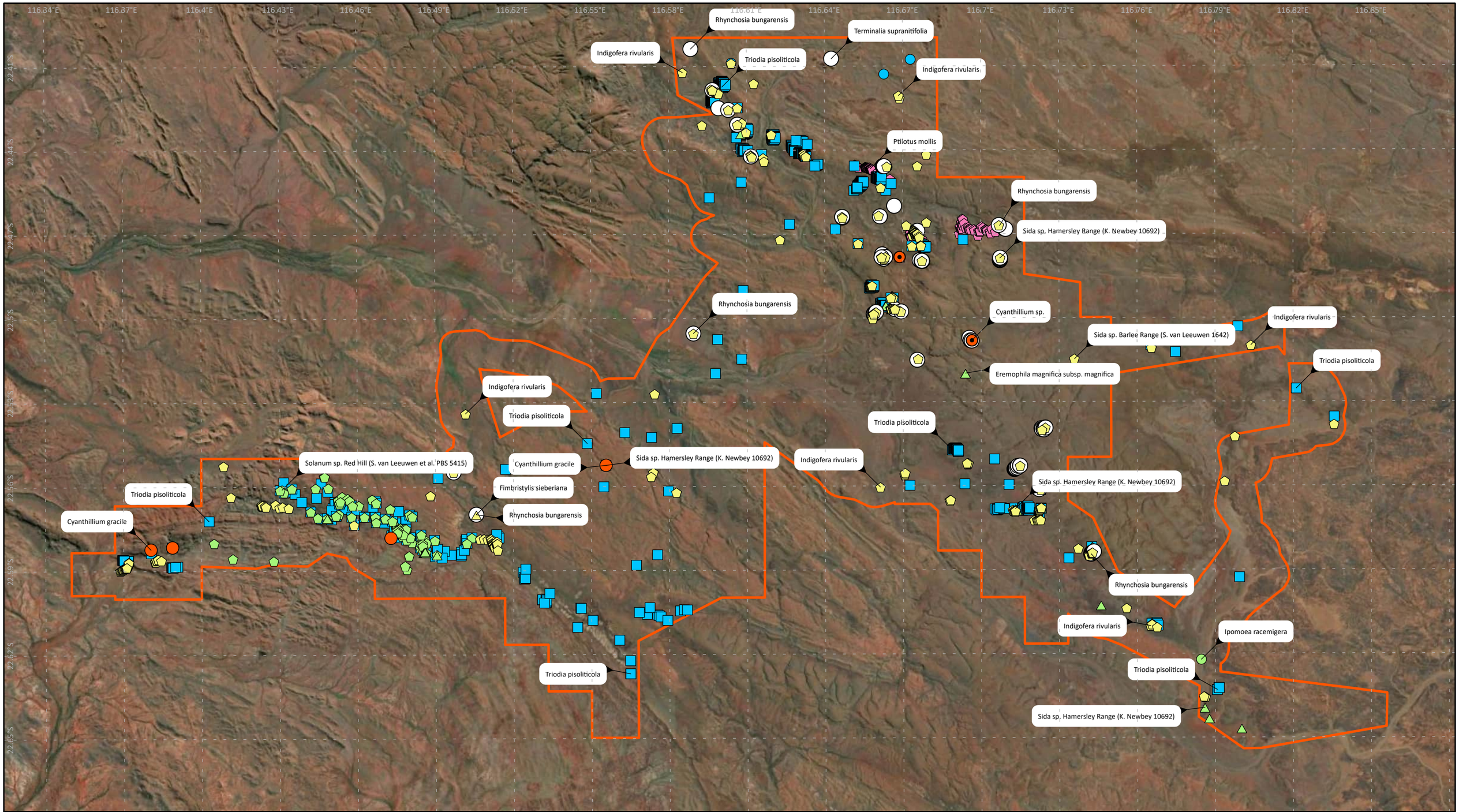
ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

**Map 9:** Significant plant species recorded within the survey area (Priority 1, Priority 2, and potentially new taxa).

Earthstar Geographics

0 2.5 5 10
Kilometers




Wyloo North Mine and Transport Options survey area

Significant species

- Priority 3 (DBCA),Cyanthillium gracile
- ?Priority 3 (DBCA),Cyanthillium sp.
- Priority 3 (DBCA),Fimbristylis sieberiana
- Priority 3 (DBCA),Indigofera rivularis
- Priority 3 (DBCA),Ipomoea racemigera
- Priority 3 (DBCA),Sida sp. Hamersley Range (K. Newbey 10692)
- Priority 3 (DBCA),Solanum sp. Red Hill (S. van Leeuwen et al. PBS 5415)
- Priority 3 (DBCA),Terminalia supranitifolia
- Priority 3 (DBCA),Triodia pisoliticola
- Priority 4 (DBCA),Eremophila magnifica subsp. magnifica
- Priority 4 (DBCA),Ptilotus mollis
- Priority 4 (DBCA),Rhynchosia bungarensis

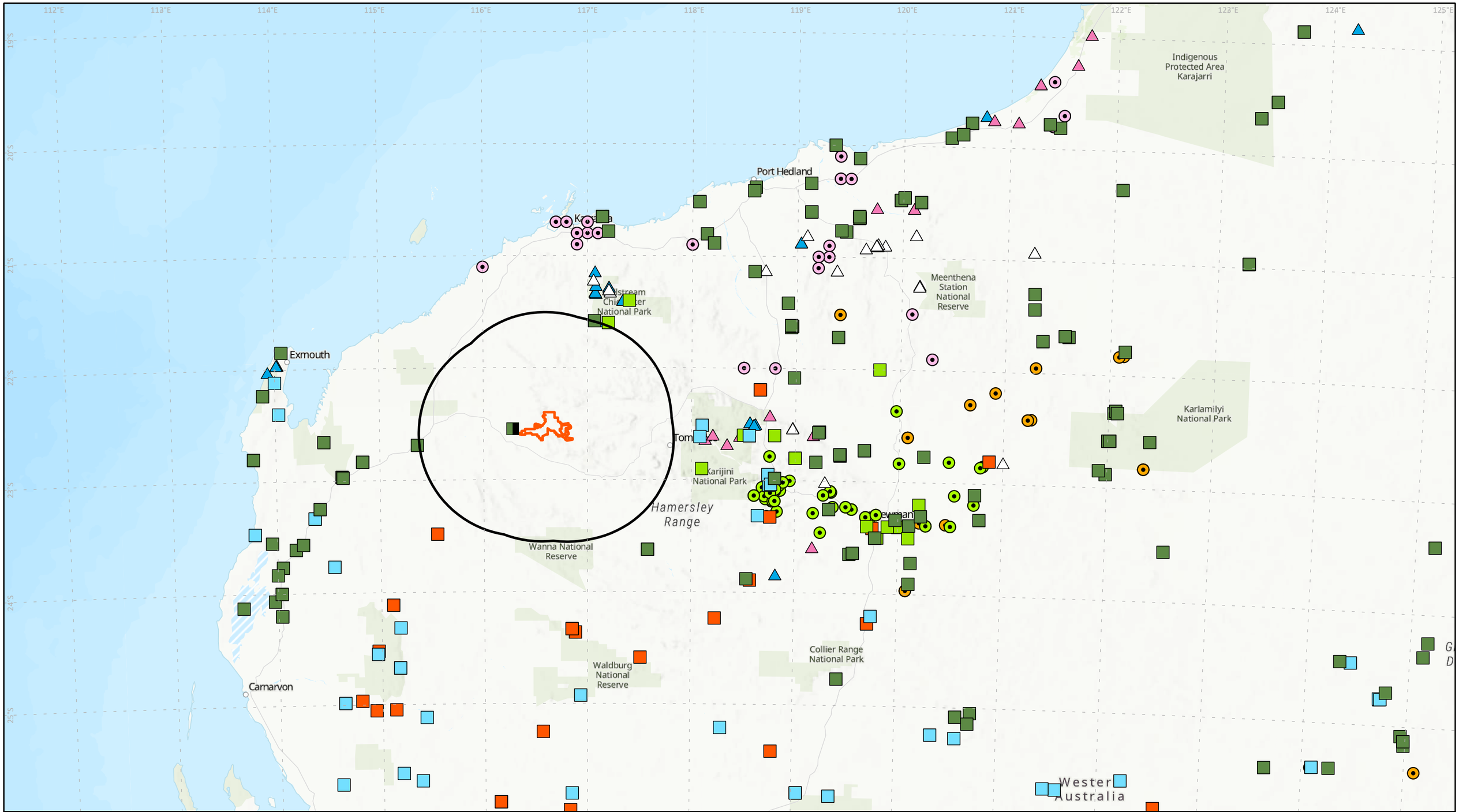
ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

Earthstar Geographics

**Map 10:** Significant plant species recorded within the survey area (Priority 3, Priority 4).

0 2.5 5 10
Kilometers




- Wyloo North Mine and Transport Options survey area
- Survey area 100 km buffer
- Acacia balsamea
- Acacia catenulata subsp. occidentalis
- Acacia glaucocaesia
- Amyema benthamii
- Enneapogon pallidus
- Euploca skeleton
- Ipomoea calobra
- Ipomoea racemigera
- Teucrium teucriiflorum
- Triodia schinzii
- Triodia schinzii (Fortescue record)

ecologia ENVIRONMENT

Project No.: 1999
Author: AC
Created Date: 15 May 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:3,500,000 @A3

**Map 11:** Range extensions - records of species (preserved specimen records) that have not been recorded within 100 km of the survey area.

0 65 130 260
Kilometers

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, USGS

**Figure 3: Photographs of significant species recorded by *ecologia* within the survey area.**

Top left to right: *Cyanthillium gracile*; *Fimbristylis sieberiana*; *Indigofera rivularis*
Middle left to right: *Pentalepis trichodesmoides* subsp. *hispida*; *Rhynchosia bungarensis*, *Sida* sp. Hamersley Range (K. Newbey 10692)
Bottom left to right: *Solanum* ?*pycnotrichum*; *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415); *Triodia pisoliticola*

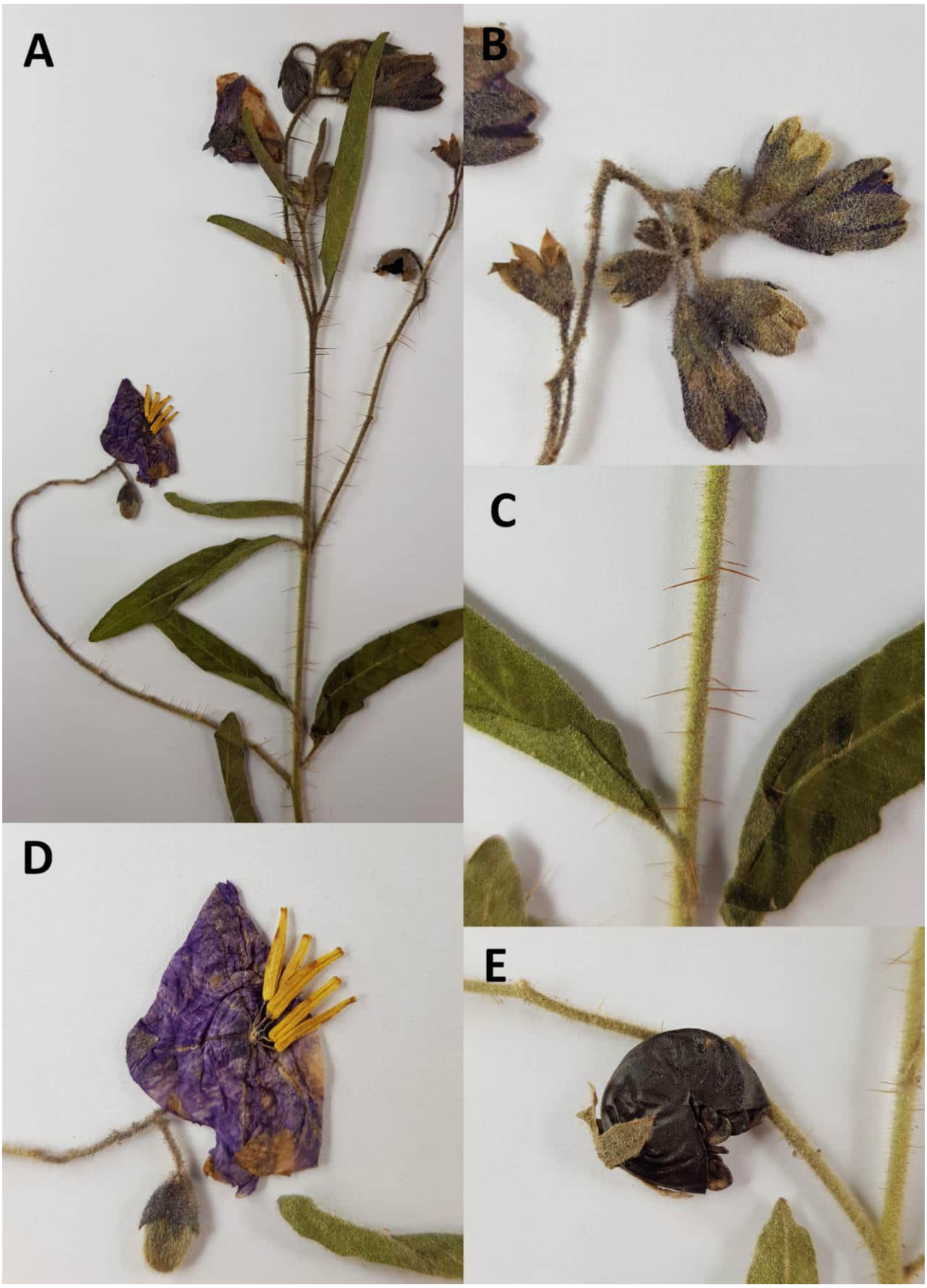



**Figure 4: *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) – specimen details (A. I. Craigie 1893.01 (3/7/2021), PERTH 9437665).**

A. Habit; B. immature flowers; C. stem section; D. mature flower; E. mature fruit.

**Figure 5: *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) – habitat on creek bank at site WY_E_106.**

## 4.2 VEGETATION

### 4.2.1 Vegetation Type Classification and Characterisation

Hierarchical agglomerative clustering was conducted using floristic data from 401 sampling sites (Figure 6). Similarity profile analysis (SIMPROF) identified 51 clusters (including solitary and paired sites) within which there was no meaningful sub-structure (Appendix C). Several of these groups were too fine to meaningfully interpret as distinct vegetation types at a scale appropriate for this assessment, so some neighbouring groups were amalgamated. These supersets were selected as vegetation types primarily on the basis of consistency of shared dominant species. Twenty-four (24) vegetation types were described based on this classification (Table 19, Table 20).

The vegetation types described from the hierarchical clustering were mostly resolved as reasonably distinct clusters of sites in the NMDS ordination (Figure 7). There were few highly distinct and compact clusters of sites in the ordination, with most clusters identified as vegetation types lying adjacent to, and often overlapping with, other similar groups. Intermediate sites in these cases are possibly indicative of transitional areas between major plant communities.

The floristic features used to characterise each vegetation type (i.e., dominant species, and frequently occurring species) are summarised in Table 19, and other relevant attributes (i.e., landform, soils, vegetation condition, and species richness) are summarised in Table 20. The full species assemblage associated with each vegetation type is shown in a constancy-importance table in Appendix D. Representative site photographs are shown in Figure 8 – Figure 19. Vegetation type boundaries were mapped within the survey area by extrapolation from aerial imagery and ground-truthed sites (Map 12 - Map 15). Individual sampling site data are shown in Appendix E.

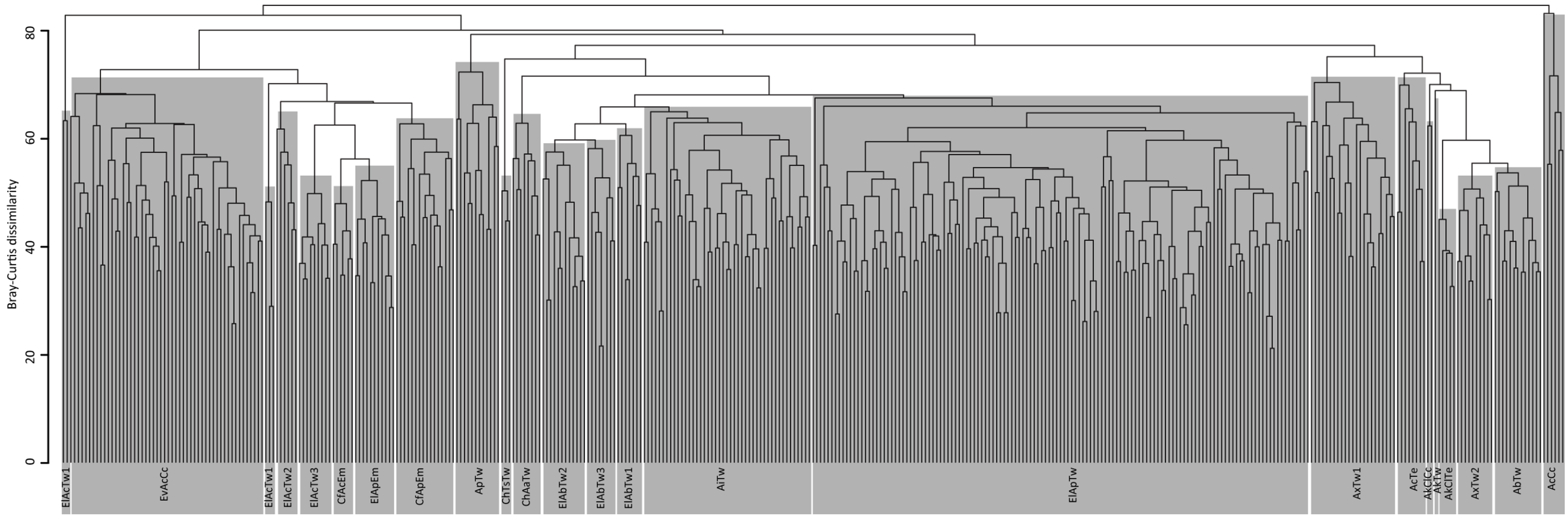



**Figure 6: UPGMA hierarchical agglomerative clustering dendrogram showing floristic relationships among 401 sites.**

Shaded areas indicate the groups of sites recognised as vegetation types. The significant group structure identified by similarity profile analysis and site names are shown in Appendix C.

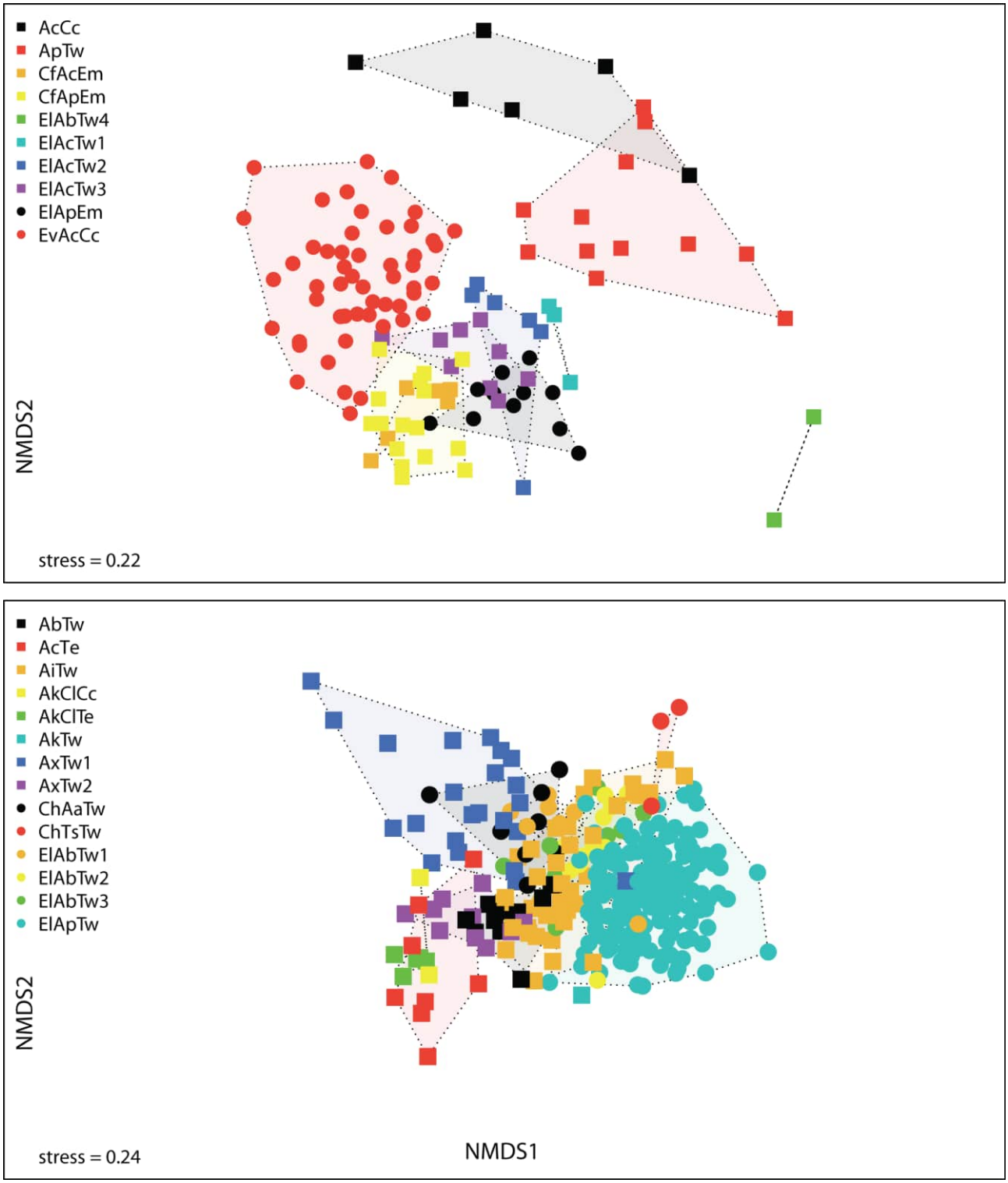



**Figure 7: Non-metric multidimensional scaling (NMDS) plots showing relationships among sites and vegetation types.**

**Table 19: Summary of vegetation types within the survey area – group characterisation.**

| Map code | Broad floristic formation (NVIS III) | Vegetation type name (NVIS V compatible) | Frequently occurring species (occurrence in > 70% of quadrats within vegetation type)1 | Significant species |
|---|---|---|---|---|
| AbTw | *Acacia* mid sparse shrubland | *Acacia bivenosa*, *Acacia synchronicia*, *Senna glutinosa* subsp. *pruinosa* mid sparse shrubland; *Triodia wiseana*, ±*Triodia angusta* low open hummock grassland | *Acacia bivenosa, Acacia synchronicia, Corchorus laniflorus, Dolichocarpa crouchiana, Dysphania rhadinostachya* subsp. *rhadinostachya, Euphorbia australis* var. *subtomentosa, Euphorbia boophthona, Ptilotus aervoides, Ptilotus auriculifolius, Ptilotus exaltatus, Senna glutinosa* subsp. *pruinosa, Senna glutinosa* subsp. ×*luerssenii, Senna notabilis, Trachymene oleracea* subsp. *oleracea, Tribulus hirsutus, Triodia wiseana* | *Pentalepis trichodesmoides* subsp. *hispida* (P2), *Indigofera rivularis* (P3), *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3) |
| AcCc | *Acacia* tall open shrubland | *Acacia citrinoviridis*, *Acacia synchronicia* tall open shrubland; **Cenchrus ciliaris*, **Cenchrus setiger*, *Triodia wiseana* low grassland | *Acacia citrinoviridis, Acacia synchronicia, *Cenchrus ciliaris, *Cenchrus setiger, Ptilotus obovatus* var. *obovatus* | None |
| AcTe | *Acacia* tall open shrubland | ±*Acacia citrinoviridis tall open shrubland; Triodia epactia, *Cenchrus ciliaris, *Cenchrus setiger* low grassland | *Arivela viscosa, Boerhavia coccinea, *Cenchrus ciliaris, *Cenchrus setiger, Corchorus crozophorifolius, Dysphania rhadinostachya* subsp. *rhadinostachya, Evolvulus alsinoides* var. *villosicalyx, Ptilotus exaltatus, Sida echinocarpa, Triodia epactia, Triumfetta clementii* | *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Rhynchosia bungarensis* (P4) |
| AiTw | *Acacia* tall sparse shrubland | *Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana*, *Dolichocarpa crouchiana*, *Dysphania rhadinostachya* low open hummock grassland/herbland | *Acacia inaequilatera, Arivela viscosa, Dolichocarpa crouchiana, Dysphania rhadinostachya* subsp. *rhadinostachya, Triodia wiseana* | *Indigofera rivularis* (P3), *Pentalepis trichodesmoides* subsp. *hispida* (P2), *Rhynchosia bungarensis* (P4), *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3), *Triodia pisoliticola* (P3) |
| AkClCc | *Acacia* tall shrubland | *Acacia kempeana* tall shrubland; *Corchorus laniflorus* low open shrubland; **Cenchrus ciliaris*, **Cenchrus setiger*, *Triodia wiseana* low grassland | *Acacia kempeana, Arivela viscosa, *Cenchrus ciliaris, *Cenchrus setiger, Cheilanthes sieberi* subsp. *sieberi, Corchorus laniflorus, Cucumis variabilis, Dendrophyllanthus erwinii, Perotis rara, Ptilotus exaltatus, Ptilotus obovatus* var. *obovatus, Salsola australis, Sida echinocarpa, Sida* sp. L (A.M. Ashby 4202), *Stylobasium spathulatum, Triodia wiseana, Vincetoxicum lineare* | *Solanum* ?*pycnotrichum* (P2 if verified) |
| AkClTe | *Acacia* tall sparse shrubland | *Acacia kempeana*, *Acacia synchronicia* tall sparse shrubland; *Corchorus laniflorus*, *Ptilotus astrolasius*, *Senna artemisioides* subsp. *oligophylla* low sparse shrubland; *Triodia epactia*, **Cenchrus ciliaris* low open hummock grassland/tussock grassland | *Abutilon lepidum, Acacia kempeana, Acacia synchronicia, Amaranthus cuspidifolius, Arivela viscosa, Boerhavia coccinea, Bulbostylis barbata, *Cenchrus ciliaris, Corchorus laniflorus, Cucumis variabilis, Dendrophyllanthus erwinii, Dysphania rhadinostachya* subsp. *rhadinostachya, Goodenia forrestii, Polycarpaea corymbosa* var. *corymbosa, Portulaca oleracea, Pterocaulon sphacelatum, Ptilotus aervoides, Ptilotus astrolasius, Ptilotus auriculifolius, Ptilotus exaltatus, Ptilotus helipteroides, Rhynchosia minima, Salsola australis, Scaevola spinescens, Senna artemisioides* subsp. *oligophylla, Senna notabilis, Solanum cleistogamum, Solanum diversiflorum, Sporobolus australasicus, Trianthema triquetrum, Tribulus hirsutus, Trichodesma zeylanicum* var. *zeylanicum, Trigastrotheca molluginea, Triodia epactia* | *Triodia pisoliticola* (P3) |
| AkTw | *Acacia* tall open shrubland | *Acacia kempeana*, *Acacia tumida* var. *pilbarensis*, *Gossypium robinsonii* tall open shrubland; *Triodia wiseana*, *Triodia pisoliticola* (P3) low sparse hummock grassland | NA (vegetation type represented by a single quadrat) | *Triodia pisoliticola* (P3) |
| ApTw | *Acacia* tall open shrubland | *Acacia pruinocarpa*, *Acacia synchronicia* tall open shrubland; *Triodia wiseana*, ±*Triodia epactia* low hummock grassland | *Acacia pruinocarpa, Acacia synchronicia, Enchylaena tomentosa* var. *tomentosa, Goodenia muelleriana, Ptilotus astrolasius, Senna glutinosa* subsp. *pruinosa, Sida echinocarpa, Tribulus suberosus* | *Indigofera rivularis* (P3), *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Triodia pisoliticola* (P3) |
| AxTw1 | *Acacia* tall open shrubland | *Acacia xiphophylla*, *Acacia synchronicia*, *Acacia tetragonophylla* tall open shrubland; *Eremophila cuneifolia* low sparse shrubland; *Triodia wiseana* low sparse hummock grassland | *Acacia synchronicia, Acacia xiphophylla, Eremophila cuneifolia, Triodia wiseana* | *Indigofera rivularis* (P3), *Pentalepis trichodesmoides* subsp. *hispida* (P2), *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3) |
| AxTw2 | *Acacia* tall open shrubland | *Acacia xiphophylla*, *Acacia synchronicia*, *Acacia tetragonophylla* tall open shrubland; *Triodia wiseana*, *Cynodon prostratus*, *Sporobolus australasicus* low open hummock/tussock grassland | *Acacia synchronicia, Acacia xiphophylla, Arivela viscosa, Corchorus laniflorus, Cynodon prostratus, Dysphania rhadinostachya* subsp. *rhadinostachya, Enneapogon caerulescens, Paspalidium clementii, Portulaca oleracea, Ptilotus aervoides, Ptilotus astrolasius, Ptilotus auriculifolius, Ptilotus exaltatus, Ptilotus helipteroides, Senna glutinosa* subsp. ×*luerssenii, Senna notabilis, Solanum diversiflorum, Sporobolus australasicus, Trianthema triquetrum, Tribulus hirsutus, Trichodesma zeylanicum* var. *zeylanicum, Triodia wiseana* | None |
| CfAcEm | *Corymbia* low open woodland | *Corymbia ferriticola* low open woodland; *Acacia citrinoviridis*, *Acacia pruinocarpa*, *Flueggea virosa* tall sparse shrubland; *Eriachne mucronata*, *Triodia pisoliticola* (P3), *Triodia wiseana* low grassland | *Acacia citrinoviridis, Acacia pruinocarpa, Afrohybanthus aurantiacus, Arivela viscosa, Astrotricha hamptonii, Corchorus crozophorifolius, Corymbia ferriticola, Crotalaria novae-hollandiae* subsp. *novae-hollandiae, Cucumis variabilis, Cymbopogon ambiguus, Eriachne mucronata, Euphorbia trigonosperma, Flueggea virosa, Gossypium robinsonii, Jasminum didymum* subsp. *lineare, Nicotiana bilybara, Paspalidium clementii, Pterocaulon sphacelatum, Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415), *Themeda triandra, Trachymene oleracea* subsp. *oleracea, Triodia pisoliticola* (P3), *Triodia wiseana, Triumfetta maconochieana* | *Cyanthillium gracile* (P3), *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3), *Triodia pisoliticola* (P3) |
| CfApEm | *Corymbia* low open woodland | *Corymbia ferriticola* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata*, *Triodia pisoliticola* (P3), *Triodia wiseana* low grassland | *Acacia pruinocarpa, Arivela viscosa, Corchorus crozophorifolius, Cymbopogon ambiguus, Duperreya commixta, Eriachne mucronata, Gomphrena cunninghamii, Jasminum didymum* subsp. *lineare, Senna glutinosa* subsp. *glutinosa, Triodia wiseana* | *Cyanthillium gracile* (P3), *Eremophila magnifica* subsp. *magnifica* (P4), *Fimbristylis sieberiana* (P3), *Indigofera rivularis* (P3), *Rhynchosia bungarensis* (P4), *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Triodia pisoliticola* (P3) |

| Map code | Broad floristic formation (NVIS III) | Vegetation type name (NVIS V compatible) | Frequently occurring species (occurrence in > 70% of quadrats within vegetation type)1 | Significant species |
|---|---|---|---|---|
| ChAaTw | *Acacia* tall sparse shrubland | ±*Corymbia hamersleyana* low isolated trees; *Acacia ancistrocarpa*, *Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana* low open hummock grassland | *Acacia ancistrocarpa, Acacia inaequilatera, Dysphania rhadinostachya* subsp. *rhadinostachya, Senna artemisioides* subsp. *oligophylla, Stylobasium spathulatum, Triodia wiseana* | *Indigofera rivularis* (P3), *Rhynchosia bungarensis* (P4) |
| ChTsTw | *Triodia* low open hummock grassland | *Corymbia hamersleyana* low isolated trees; *Terminalia supranitifolia* (P3) tall sparse shrubland; *Triodia wiseana* low open hummock grassland | *Corchorus crozophorifolius, Corymbia hamersleyana, Cymbopogon ambiguus, Eucalyptus leucophloia* subsp. *leucophloia, Jasminum didymum* subsp. *lineare, Senna glutinosa* subsp. *glutinosa, Terminalia supranitifolia* (P3), *Triodia wiseana, Triumfetta chaetocarpa* | *Terminalia supranitifolia* (P3) |
| ElAbTw1 | *Eucalyptus* low open woodland | ±*Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa*, *Acacia synchronicia* tall open shrubland; *Triodia wiseana* low open hummock grassland | *Acacia bivenosa, Acacia synchronicia, Senna glutinosa* subsp. ×*luerssenii, Triodia wiseana* | None |
| ElAbTw2 | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland | *Acacia bivenosa, Dolichocarpa crouchiana, Eucalyptus leucophloia* subsp. *leucophloia, Tribulus suberosus, Triodia wiseana* | *Pentalepis trichodesmoides* subsp. *hispida* (P2), *Triodia pisoliticola* (P3) |
| ElAbTw3 | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana*, *Roepera eichleri*, *Stackhousia muricata* subsp. annual (W.R. Barker 2172) low open hummock grassland/herbland | *Acacia bivenosa, Dolichocarpa crouchiana, Dysphania rhadinostachya subsp. rhadinostachya, Eucalyptus leucophloia* subsp. *leucophloia, Haloragis gossei* var. *gossei, Ptilotus exaltatus, Roepera eichleri, Stackhousia muricata* subsp. annual (W.R. Barker 2172), *Tribulus hirsutus, Triodia wiseana* | *Indigofera rivularis* (P3), *Triodia pisoliticola* (P3) |
| ElAbTw4 | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland | *Acacia bivenosa, Eucalyptus leucophloia* subsp. *leucophloia, Triodia wiseana* | *Rhynchosia bungarensis* (P4) |
| ElAcTw1 | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland | *Acacia citrinoviridis, Aerva javanica, Arivela viscosa, Boerhavia gardneri, Corchorus crozophorifolius, Cymbopogon ambiguus, Eremophila fraseri* subsp. *fraseri, Eucalyptus leucophloia* subsp. *leucophloia, Gomphrena cunninghamii, Jasminum didymum* subsp. *lineare, Ptilotus auriculifolius, Ptilotus calostachyus, Ptilotus exaltatus, Ptilotus obovatus* var. *obovatus, Tribulus hirsutus, Triodia wiseana* | *Indigofera rivularis* (P3) |
| ElAcTw2 | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; T*riodia wiseana* low hummock grassland. | *Abutilon fraseri* subsp. *fraseri, Acacia citrinoviridis, Afrohybanthus aurantiacus, Indigofera rivularis* (P3), *Jasminum didymum* subsp. *lineare, Stylobasium spathulatum, Triodia wiseana* | *Indigofera rivularis* (P3), *Ptilotus mollis* (P4), *Rhynchosia bungarensis* (P4), *Triodia pisoliticola* (P3) |
| ElAcTw3 | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis*, *Acacia bivenosa*, *Gossypium robinsonii* tall open shrubland; *Triodia wiseana* low hummock grassland | *Acacia bivenosa, Acacia citrinoviridis, Afrohybanthus aurantiacus, Arivela viscosa, Corchorus tectus, Dysphania rhadinostachya* subsp. *rhadinostachya, Eucalyptus leucophloia* subsp. *leucophloia, Goodenia stobbsiana, Gossypium robinsonii, Hibiscus sturtii* var. *campylochlamys, Indigofera monophylla, Jasminum didymum* subsp. *lineare, Petalostylis labicheoides, Polycarpaea longiflora, Polymeria ambigua, Senna artemisioides* subsp. *oligophylla, Senna glutinosa* subsp. *glutinosa, Sida* sp. Pilbara (A.A. Mitchell PRP 1543), *Stylobasium spathulatum, Trichodesma zeylanicum* var. *zeylanicum, Triodia wiseana, Triumfetta maconochieana* | *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3) *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) (P1), *Triodia pisoliticola* (P3) |
| ElApEm | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata*, *Triodia pisoliticola* (P3), *Triodia wiseana* low grassland | *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618), *Acacia pruinocarpa, Arivela viscosa, Corchorus tectus, Cymbopogon ambiguus, Cyperus hesperius, Dolichocarpa crouchiana, Dysphania rhadinostachya* subsp. *rhadinostachya, Eremophila latrobei* subsp. *latrobei, Eriachne mucronata, Eucalyptus leucophloia* subsp. *leucophloia, Gomphrena cunninghamii, Jasminum didymum* subsp. *lineare, Polycarpaea longiflora, Senna glutinosa* subsp. *glutinosa, Trachymene oleracea* subsp. *oleracea, Trichodesma zeylanicum* var. *zeylanicum, Triodia pisoliticola* (P3), *Triodia wiseana, Triumfetta chaetocarpa, Triumfetta maconochieana* | *Cyanthillium gracile* (P3), *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3), *Triodia pisoliticola* (P3) |
| ElApTw | *Eucalyptus* low open woodland | *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa*, *Acacia arida* mid open shrubland; *Triodia wiseana*, ±*Triodia pisoliticola* (P3) low hummock grassland | *Acacia arida, Dysphania rhadinostachya* subsp. *rhadinostachya, Eucalyptus leucophloia* subsp. *leucophloia, Ptilotus calostachyus, Triodia wiseana* | *Cyanthillium gracile* (P3), *Eremophila magnifica* subsp. *magnifica* (P4), *Eremophila* sp. (coll. code KH27), *Indigofera rivularis* (P3), *Ptilotus mollis* (P4), *Rhynchosia bungarensis* (P4), *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3), *Triodia pisoliticola* (P3) |
| EvAcCc | *Eucalyptus* mid open woodland | *Eucalyptus victrix*, ±*Eucalyptus camaldulensis* mid open woodland; *Acacia citrinoviridis*, *Acacia pyrifolia*, *Gossypium robinsonii* tall sparse shrubland; **Cenchrus ciliaris*, **Cenchrus setiger*, *Triodia wiseana* low grassland | *Acacia citrinoviridis, Acacia pyrifolia* var. *pyrifolia, Afrohybanthus aurantiacus, Arivela viscosa, *Cenchrus ciliaris, Corchorus crozophorifolius, Cucumis variabilis, Eucalyptus victrix, Gossypium robinsonii, Polycarpaea longiflora* | *Cyanthillium gracile* (P3), *Indigofera rivularis* (P3), *Ipomoea racemigera* (P3), *Rhynchosia bungarensis* (P4), *Sida* sp. Hamersley Range (K. Newbey 10692) (P3), *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) (P3), *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) (P1), *Terminalia supranitifolia* (P3), *Triodia pisoliticola* (P3) |

[1] See Appendix D (constancy-importance table) for a full list of species associated with each vegetation type.

**Table 20: Summary of vegetation types within the survey area – landforms, condition, significance, species richness, and extent.**

| Map code | Typical landforms and soils | Vegetation condition | Median site species richness (range) | Environmental Significance (WA) | Environmental Significance (Other) | Extent within survey area (ha) (% of total area) | Sites |
|---|---|---|---|---|---|---|---|
| AbTw | Plans, low undulating plains, low hills. Reddish brown clay loam | Excellent | 40.8 (14–66) | None | Locally restricted | 429.47 (0.82%) | WY_E_006, WY_E_016, WY_E_028, WY_E_057, WY_E_066, WY_E_072, WY_E_074, WY_E_076, WY_E_077, WY_E_079, WY_E_080, WY_E_083, WY_E_084, WY_E_089, WY_E_093 |
| AcCc | Plains and floodplains. Reddish brown sandy clay loam | Poor to Very Good | 25.2 (15–38) | None | Locally restricted | 316.06 (0.6%) | WY_E_229, WY_E_265, WY_F_19, WY_F_36, WY_F_70, WY_F_72 |
| AcTe | Plains and floodplains. Reddish brown sandy clay loam | Degraded to Excellent | 35.8 (2–48) | None | LGDV (partly) | 1,085.85 (2.08%) | WY_E_239, WY_E_267, WY_F_67, WY_F_A10, WY_F_A11, WY_F_B10R, WY_F_B11R, WY_F_B12R, WY_F_B15 |
| AiTw | Low hills and undulating plains. Reddish brown sandy clay loam | Very Good to Excellent | 27.5 (5–54) | None | None | 7,209.84 (13.79%) | WY_E_010, WY_E_015, WY_E_018, WY_E_020, WY_E_026, WY_E_027, WY_E_033, WY_E_041, WY_E_053, WY_E_055, WY_E_058, WY_E_060, WY_E_081, WY_E_082, WY_E_143, WY_E_146, WY_E_166, WY_E_180, WY_E_186, WY_E_187, WY_E_199, WY_E_201, WY_E_212, WY_E_216, WY_E_273, WY_E_276, WY_E_279, WY_F_16, WY_F_17, WY_F_2, WY_F_4, WY_F_A01, WY_F_A02, WY_F_A09, WY_F_B03, WY_F_B04, WY_F_B07R, WY_F_C02, WY_F_C07, WY_F_C10, WY_F_C12, WY_F_C14, WY_F_C16, WY_F_C17, WY_F_C54 |
| AkClCc | Floodplains. Clay to sandy clay-loam | Good to Very Good | 45 (43–47) | None | Locally restricted | 44.63 (0.09%) | WY_E_242, WY_E_282 |
| AkClTe | Floodplains. Reddish brown sandy clay, clay loam | Very Good to Excellent | 57.6 (49–62) | None | Locally restricted | 296.05 (0.57%) | WY_E_002, WY_E_005, WY_E_007, WY_E_019, WY_E_075 |
| AkTw | Floodplains. Reddish-brown clay loam | Excellent | 40 (40–40) | None | Locally restricted | 71.46 (0.14%) | WY_E_051 |
| ApTw | Low hills, footslopes, mesas. Loam. | Good to Excellent | 28.9 (11–51) | Partly the Priority 3 PEC '*Triodia pisoliticola* assemblages of mesas of the West Pilbara' | None | 1,372.47 (2.63%) | WY_F_43, WY_F_46, WY_F_47, WY_F_48, WY_F_50, WY_F_51, WY_F_53, WY_F_54, WY_F_55, WY_F_56, WY_F_58, WY_F_60 |
| AxTw1 | Stony plains and undulating plains. Reddish brown sand, loam, clay loam. | Very Good to Excellent | 24.6 (7–38) | None | None | 2,008.47 (3.84%) | WY_E_069, WY_E_154, WY_E_170, WY_E_182, WY_E_184, WY_E_192, WY_E_193, WY_E_223, WY_E_230, WY_E_232, WY_E_235, WY_E_236, WY_E_237, WY_E_262, WY_E_271, WY_E_272, WY_E_277, WY_E_278, WY_E_280, WY_E_283, WY_F_34, WY_F_35, WY_F_A07, WY_F_A08 |
| AxTw2 | Stony plains and undulating plains. Reddish brown loam, clay loam. | Excellent | 43.1 (21–53) | None | Locally restricted | 165.6 (0.32%) | WY_E_001, WY_E_003, WY_E_004, WY_E_061, WY_E_065, WY_E_073, WY_E_078, WY_E_086, WY_E_090, WY_E_158 |
| CfAcEm | Gorges. Reddish brown loam, sandy loam, clay loam | Excellent | 49.7 (42–66) | None | Locally restricted; potential role as a refuge | 41.31 (0.08%) | WY_E_013, WY_E_064, WY_E_092, WY_E_104, WY_E_108, WY_E_153 |
| CfApEm | Gorges. Reddish brown loam, sandy loam, clay loam | Very Good to Excellent | 46.5 (38–66) | None | GDV (partly), LGDV (partly); potential role as a refuge | 605.55 (1.16%) | WY_E_173, WY_F_22, WY_F_25, WY_F_28, WY_F_29, WY_F_33, WY_F_39, WY_F_40A, WY_F_40B, WY_F_61, WY_F_B06R, WY_F_C25, WY_F_C26, WY_F_C33, WY_F_C34, WY_F_C35 |
| ChAaTw | Plains and floodplains. Reddish brown clay loam | Poor to Excellent | 19.2 (6–28) | None | None | 1,952.24 (3.74%) | WY_E_172, WY_E_174, WY_E_194, WY_E_196, WY_E_206, WY_E_213, WY_E_214, WY_E_217, WY_E_246, WY_E_258, WY_F_C18 |
| ChTsTw | Basalt outcrops. Sandy loam | Excellent | 15.3 (15–16) | None | Locally restricted; potential role as a refuge | 434.5 (0.83%) | WY_F_C06, WY_F_C09, WY_F_C11 |
| ElAbTw1 | Low hills (some calcrete). Clay loam. | Very Good to Excellent | 18.9 (13–29) | None | Locally restricted | 165.96 (0.32%) | WY_E_119, WY_E_164, WY_E_165, WY_E_179, WY_E_181, WY_F_C31, WY_F_C37 |
| ElAbTw2 | Rocky slopes and ridges. Reddish brown clay loam, sandy loam | Excellent | 22 (12–40) | None | Locally restricted | 223.42 (0.43%) | WY_E_056, WY_E_094, WY_E_133, WY_E_136, WY_E_137, WY_E_142, WY_E_145, WY_E_150, WY_F_20, WY_F_23, WY_F_65, WY_F_73 |
| ElAbTw3 | Low calcrete hills. Brown clay loam | Very Good to Excellent | 25.6 (13–43) | None | Locally restricted; potential role as a refuge | 319.9 (0.61%) | WY_E_036, WY_E_037, WY_E_042, WY_E_046, WY_E_047, WY_E_068, WY_E_274, WY_F_C15 |
| ElAbTw4 | Calcrete outcrops. Loam. | Good to Excellent | 7 (5–9) | None | Locally restricted; potential role as a refuge | 55.66 (0.11%) | WY_F_75R, WY_F_C39 |
| ElAcTw1 | Hills, ridges. Reddish brown clay loam | Very Good | 30 (29–32) | None | Locally restricted | 126.17 (0.24%) | WY_E_218, WY_E_219, WY_E_221 |
| ElAcTw2 | Upland creeks/gullies. Sandy loam. | Very Good to Excellent | 36.3 (23–43) | None | Locally restricted | 197.43 (0.38%) | WY_F_21, WY_F_26, WY_F_27, WY_F_3, WY_F_30, WY_F_32, WY_F_6 |
| ElAcTw3 | Upland creeks/gullies. Reddish brown sandy clay loam. | Excellent | 50.7 (43–61) | None | Locally restricted | 23.08 (0.04%) | WY_E_100, WY_E_106, WY_E_107, WY_E_116, WY_E_121, WY_E_126, WY_E_127, WY_E_129, WY_E_155 |
| ElApEm | Rocky ridges and outcrops. Reddish brown clay loam. | Excellent | 42.5 (23–63) | None | Locally restricted | 221.57 (0.42%) | WY_E_039, WY_E_062, WY_E_070, WY_E_085, WY_E_138, WY_E_140, WY_E_147, WY_E_149, WY_E_178, WY_E_241, WY_E_247 |

| Map code | Typical landforms and soils | Vegetation condition | Median site species richness (range) | Environmental Significance (WA) | Environmental Significance (Other) | Extent within survey area (ha) (% of total area) | Sites |
|---|---|---|---|---|---|---|---|
| ElApTw | Hills, ridges, mesas, undulating plains. Reddish brown clay loam | Very Good to Excellent | 21.2 (7–47) | Partly the Priority 3 PEC '*Triodia pisoliticola* assemblages of mesas of the West Pilbara' | None | 30,938.08 (59.18%) | WY_E_008, WY_E_011, WY_E_012, WY_E_014, WY_E_021, WY_E_022, WY_E_025, WY_E_030, WY_E_032, WY_E_034, WY_E_035, WY_E_038, WY_E_040, WY_E_043, WY_E_045, WY_E_048, WY_E_050, WY_E_052, WY_E_054, WY_E_063, WY_E_067, WY_E_087, WY_E_088, WY_E_091, WY_E_095, WY_E_096, WY_E_097, WY_E_098, WY_E_099, WY_E_101, WY_E_102, WY_E_103, WY_E_105, WY_E_109, WY_E_110, WY_E_111, WY_E_112, WY_E_113, WY_E_114, WY_E_115, WY_E_117, WY_E_118, WY_E_120, WY_E_122, WY_E_123, WY_E_124, WY_E_125, WY_E_128, WY_E_130, WY_E_131, WY_E_132, WY_E_134, WY_E_135, WY_E_139, WY_E_141, WY_E_148, WY_E_151, WY_E_152, WY_E_156, WY_E_157, WY_E_159, WY_E_160, WY_E_161, WY_E_162, WY_E_168, WY_E_169, WY_E_176, WY_E_177, WY_E_183, WY_E_185, WY_E_190, WY_E_191, WY_E_195, WY_E_197, WY_E_198, WY_E_200, WY_E_203, WY_E_205, WY_E_207, WY_E_209, WY_E_210, WY_E_211, WY_E_222, WY_E_224, WY_E_225, WY_E_226, WY_E_227, WY_E_228, WY_E_233, WY_E_234, WY_E_238, WY_E_244, WY_E_245, WY_E_248, WY_E_249, WY_E_254, WY_E_255, WY_E_256, WY_E_257, WY_E_261, WY_E_263, WY_E_264, WY_E_268, WY_E_275, WY_E_281, WY_F_12, WY_F_14, WY_F_15, WY_F_18, WY_F_24, WY_F_31, WY_F_37, WY_F_38, WY_F_42, WY_F_45, WY_F_49, WY_F_57, WY_F_59, WY_F_68, WY_F_69, WY_F_74, WY_F_9, WY_F_A03, WY_F_A04, WY_F_A05, WY_F_A06, WY_F_B01, WY_F_B02, WY_F_B05, WY_F_B09R, WY_F_B13, WY_F_C01, WY_F_C13, WY_F_C19, WY_F_C20, WY_F_C21, WY_F_C22, WY_F_C23, WY_F_C24, WY_F_C27, WY_F_C28, WY_F_C29, WY_F_C36, WY_F_R01 |
| EvAcCc | Major creeks. Reddish brown sandy loam | Degraded to Excellent | 49.2 (26–90) | None | GDV, LGDV, or PGDV | 3,963.11 (7.58%) | WY_E_009, WY_E_017, WY_E_023, WY_E_024, WY_E_029, WY_E_031, WY_E_044, WY_E_049, WY_E_059, WY_E_071, WY_E_144, WY_E_163, WY_E_167, WY_E_171, WY_E_175, WY_E_188, WY_E_189, WY_E_202, WY_E_204, WY_E_208, WY_E_215, WY_E_220, WY_E_231, WY_E_240, WY_E_243, WY_E_250, WY_E_251, WY_E_252, WY_E_253, WY_E_259, WY_E_260, WY_E_266, WY_E_269, WY_E_270, WY_E_284, WY_F_1, WY_F_5, WY_F_52, WY_F_63, WY_F_64, WY_F_66, WY_F_7, WY_F_71, WY_F_8, WY_F_B08, WY_F_B14, WY_F_C03, WY_F_C04, WY_F_C05, WY_F_C08, WY_F_C30, WY_F_C32 |

### 4.2.2 Vegetation Condition

Vegetation condition according to the EPA (2016) scale was recorded at each sampling site and was assessed periodically along traverses and ranged from Degraded to Excellent (Table 21, Map 16). Vegetation across most of the survey area was in Excellent condition (45,358.17 ha, 86.79%), having no obvious disturbance or only negligible disturbance (e.g., the presence of few non-aggressive weeds). The most significant infestations of introduced species were within creeks and associated floodplains, especially in and around Duck Creek, in which dense **Cenchrus ciliaris* (buffel grass) and **Cenchrus setiger* (Birdwood grass) infestations were often present, and heavy grazing by cattle was apparent. These riparian and associated floodplain habitats were primarily assessed as Very Good, Good, Poor, or Degraded.

**Table 21: Vegetation condition of the survey area.**

| Condition | Area (ha) | Percent of survey area |
|---|---|---|
| Excellent | 45,358.17 | 86.79% |
| Very Good | 4,000.08 | 7.65% |
| Good | 2,149.67 | 4.11% |
| Poor | 549.94 | 1.05% |
| Degraded | 209.96 | 0.40% |

### 4.2.3 Significant Vegetation

Vegetation types were assessed against the criteria in Table 11 (section 3.1.11) to determine vegetation significance. Vegetation types that were significant or potentially significant according to one or more of these criteria are outlined below (Table 20, Map 17). No other vegetation types were assessed as significant for any of the remaining criteria.

**Priority Ecological Communities**

The '*Triodia pisoliticola* (previously *Triodia* sp. Robe River) assemblages of mesas of the West Pilbara' Priority 3 PEC was present within the survey area, accounting for part of vegetation types ElApTw and ApTw where they occurred on mesas. According to DBCA this PEC typically occurs on the slopes or peaks of mesas, *Triodia pisoliticola* must be present (whether dominant or not), and must include either *Acacia citrinoviridis* or *Acacia pruinocarpa*. Mesas (or similar steep-sided hills with relatively flat tops) within the survey area that were represented by a sampling site and were confirmed to contain *Triodia pisoliticola* and either *A. citrinoviridis* or *A. pruinocarpa* were mapped as the PEC. Unsurveyed mesas surrounding confirmed PEC sites were assessed as potentially belonging to the PEC. Mesas that were represented by a sampling site in which the required diagnostic species were not recorded were not considered to be the PEC.

A total of 921 ha of confirmed PEC and 1,960 ha of potential PEC were mapped within the survey area, representing 5.5% of the total survey area (Map 17). One area mapped as the PEC by DBCA was not consistent with mesa landforms according to the available quadrat data from the area (i.e., quadrats here were recorded as stony plains, low undulating hills, and foothills). The 2 sites from this area in which *T. pisoliticola* was recorded (Focused Vision sites WY_F_037 and WY_F_038) were described as low undulating hills. This area was therefore not classified as the PEC (Map 17).

**Groundwater dependent vegetation**

Parts of vegetation types EvAcCc and CfApEm confirmed to support *Melaleuca argentea* were assessed as GDV and accounted for 127.8 ha (0.24%) of the survey area. Parts of vegetation types EvAcCc, CfApEm, and AcTe which supported *Eucalyptus camaldulensis* were assessed as likely GDV and accounted for 2,707 ha (5.2%) of the survey area. Parts of EvAcCc which supported only *Eucalyptus victrix*, or parts in which the presence of *E. camaldulensis* of *M. argentea* could not be confirmed, were assessed as potential GDV and accounted for 1,196 ha (2.28%) of the survey area (Map 18).

**Potential refugia**

Three (3) restricted landforms which supported distinct vegetation types were identified as potential refugia: sheltered gorges (CfApEm and CfAcEm), basalt outcrops (ChTsTw), and calcrete hills (ElAbTw3 and ElAbTw4). These landforms are apparently restricted regionally, support distinct vegetation, and support several species (including some Priority taxa), at least within the survey area, that were almost exclusively associated with these vegetation types. For example, *Fimbristylis sieberiana* (P3) was only recorded from gorges; *Terminalia supranitifolia* (P3) and *Brachychiton acuminatus* were primarily associated with basalt outcrops; and *Euploca chrysocarpa* and *Melaleuca eleuterostachya* were primarily on calcrete. These vegetation types account for 1,457 ha (2.8%) of the survey area (Map 19).

**Potential locally restricted vegetation**

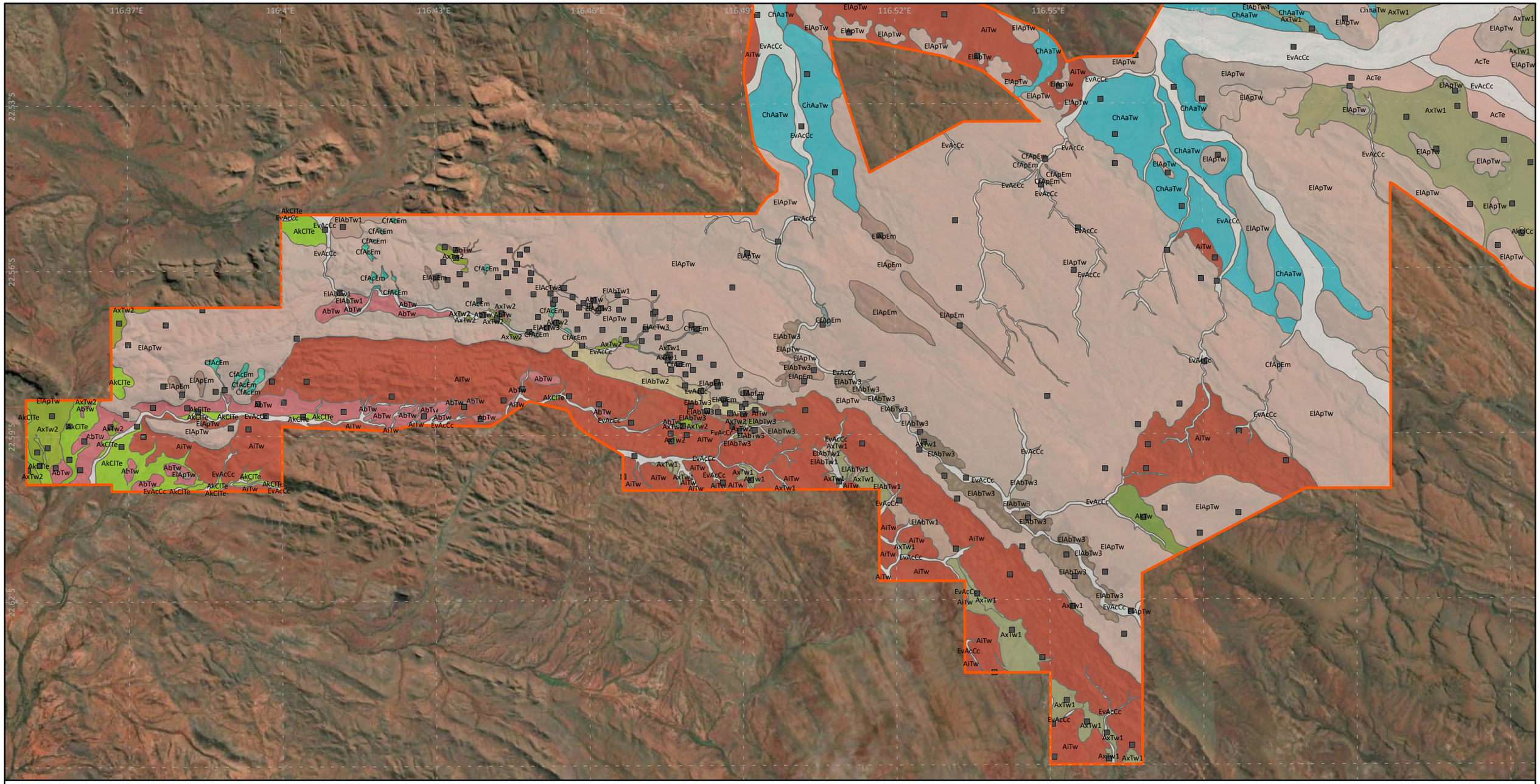
Sixteen (16) vegetation types each accounted for less than 1% of the total survey area (Table 20) and were therefore considered to be restricted within the survey area. These collectively accounted for 5.9% (3,132 ha) of the survey area (Map 19). Four (4) of these vegetation types were strongly associated with landforms that were also restricted within the survey area: deep, steep-sided gorges (CfAcEm), basalt outcrops (ChTsTw), and calcrete hills (ElAbTw2, ElAbTw4). The remaining potentially restricted types occurred on more widespread landforms (e.g., floodplains, plains, and low hills).

**Potential regionally restricted vegetation**

A comparison of all vegetation types to the regional quadrat dataset indicated that for 20 vegetation types the lowest regional quadrat dissimilarity value was within the within-group dissimilarity range (Table 22). This indicated that for most vegetation types there are floristically similar quadrats outside of the survey area and could suggest that these vegetation types are represented outside of the survey area. For 3 vegetation types (AkClTe, ChTsTw, and ElAcTw1) the lowest regional dissimilarity value was greater than the within-group dissimilarity range (i.e., more dissimilar) suggesting that were no floristically similar quadrats in the regional dataset. However, all 3 vegetation types occur at or near the edge of the survey area and inspection of aerial imagery strongly suggests that these types extend outside of the survey area. One vegetation type (AkTw) could not be assessed since it was represented by only one quadrat.

**Table 22: Regional quadrat similarity comparison.**

| Vegetation type | Minimum and maximum within-group dissimilarity (Sorensen index) | Lowest regional quadrat dissimilarity (Sorensen index) | Within dissimilarity range |
|---|---|---|---|
| AbTw | 0.287 - 0.676 | 0.430 | Yes |
| AcCc | 0.558 - 0.897 | 0.530 | Yes |
| AcTe | 0.437 - 0.764 | 0.493 | Yes |
| AiTw | 0.296 - 0.937 | 0.428 | Yes |
| AkClCc | 0.586 - 0.586 | 0.567 | Yes |
| AkClTe | 0.305 - 0.487 | 0.522 | No |
| AkTw | – | – | – |
| ApTw | 0.37 - 0.81 | 0.472 | Yes |
| AxTw1 | 0.389 - 0.946 | 0.429 | Yes |
| AxTw2 | 0.293 - 0.591 | 0.478 | Yes |
| CfAcEm | 0.305 - 0.551 | 0.440 | Yes |
| CfApEm | 0.341 - 0.717 | 0.446 | Yes |
| ChAaTw | 0.409 - 0.714 | 0.412 | Yes |
| ChTsTw | 0.419 - 0.484 | 0.579 | No |
| ElAbTw1 | 0.308 - 0.765 | 0.429 | Yes |
| ElAbTw2 | 0.333 - 0.855 | 0.455 | Yes |
| ElAbTw3 | 0.29 - 0.672 | 0.492 | Yes |
| ElAbTw4 | 0.571 - 0.571 | 0.474 | Yes |
| ElAcTw1 | 0.31 - 0.475 | 0.561 | No |
| ElAcTw2 | 0.395 - 0.738 | 0.467 | Yes |
| ElAcTw3 | 0.297 - 0.528 | 0.496 | Yes |
| ElApEm | 0.262 - 0.674 | 0.404 | Yes |
| ElApTw | 0.209 - 0.953 | 0.231 | Yes |
| EvAcCc | 0.226 - 0.826 | 0.341 | Yes |




Wyloo North Mine and Transport Options survey area

Sampling site

Vegetation type

**AbTw** - *Acacia bivenosa, Acacia synchronicia, Senna glutinosa* mid sparse shrubland; *Triodia wiseana, ±Triodia angusta* low open hummock grassland

**AcCc** - *Acacia citrinoviridis, Acacia synchronicia* tall open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland

**AcTe** - *±Acacia citrinoviridis* tall open shrubland; *Triodia epactia, *Cenchrus ciliaris, *Cenchrus setiger* low grassland

**AiTw** - *Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana, Dolichocarpa crouchiana, Dysphania rhadinostachya* low open hummock grassland/herbland

**AkClCc** - *Acacia kempeana* tall shrubland; *Corchorus laniflorus* low open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland

**AkClTe** - *Acacia kempeana, Acacia synchronicia* tall sparse shrubland; *Corchorus laniflorus, Ptilotus astrolasius, Senna artemisioides* low sparse shrubland; *Triodia epactia, *Cenchrus ciliaris* low open hummock grassland

**AkTw** - *Acacia kempeana, Acacia tumida* var. *pilbarensis, Gossypium robinsonii* tall open shrubland; *Triodia wiseana, Triodia pisoliticola* (P3) low sparse hummock grassland

**ApTw** - *Acacia pruinocarpa, Acacia synchronicia* tall open shrubland; *Triodia wiseana, ±Triodia epactia* low hummock grassland

**AxTw1** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Eremophila cuneifolia* low sparse shrubland; *Triodia wiseana* low sparse hummock grassland

**AxTw2** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Triodia wiseana, Cynodon prostratus, Sporobolus australasicus* low open hummock/tussock grassland

**CfAcEm** - *Corymbia ferriticola* low open woodland; *Acacia citrinoviridis, Acacia pruinocarpa, Flueggea virosa* tall sparse shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**CfApEm** - *Corymbia ferriticola* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**ChAaTw** - *±Corymbia hamersleyana* low isolated trees; *Acacia ancistrocarpa, Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana* low open hummock grassland

**ChTsTw** - *Corymbia hamersleyana* low isolated trees; *Terminalia supranitifolia* tall sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw1** - *±Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa, Acacia synchronicia* tall open shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana, Roepera eichleri, Stackhousia muricata* low open hummock grassland/herbland

**ElAbTw4** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAcTw1** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland

**ElAcTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland.

**ElAcTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis, Acacia bivenosa, Gossypium robinsonii* tall open shrubland; *Triodia wiseana* low hummock grassland

**ElApEm** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**ElApTw** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa, Acacia arida* mid open shrubland; *Triodia wiseana, ±Triodia pisoliticola* low tussock grassland

**EvAcCc** - *Eucalyptus victrix, ±Eucalyptus camaldulensis* mid open woodland; *Acacia citrinoviridis, Acacia pyrifolia, Gossypium robinsonii* tall sparse shrubland; **Cenchrus ciliaris, *C. setiger, Triodia wiseana* low grassland

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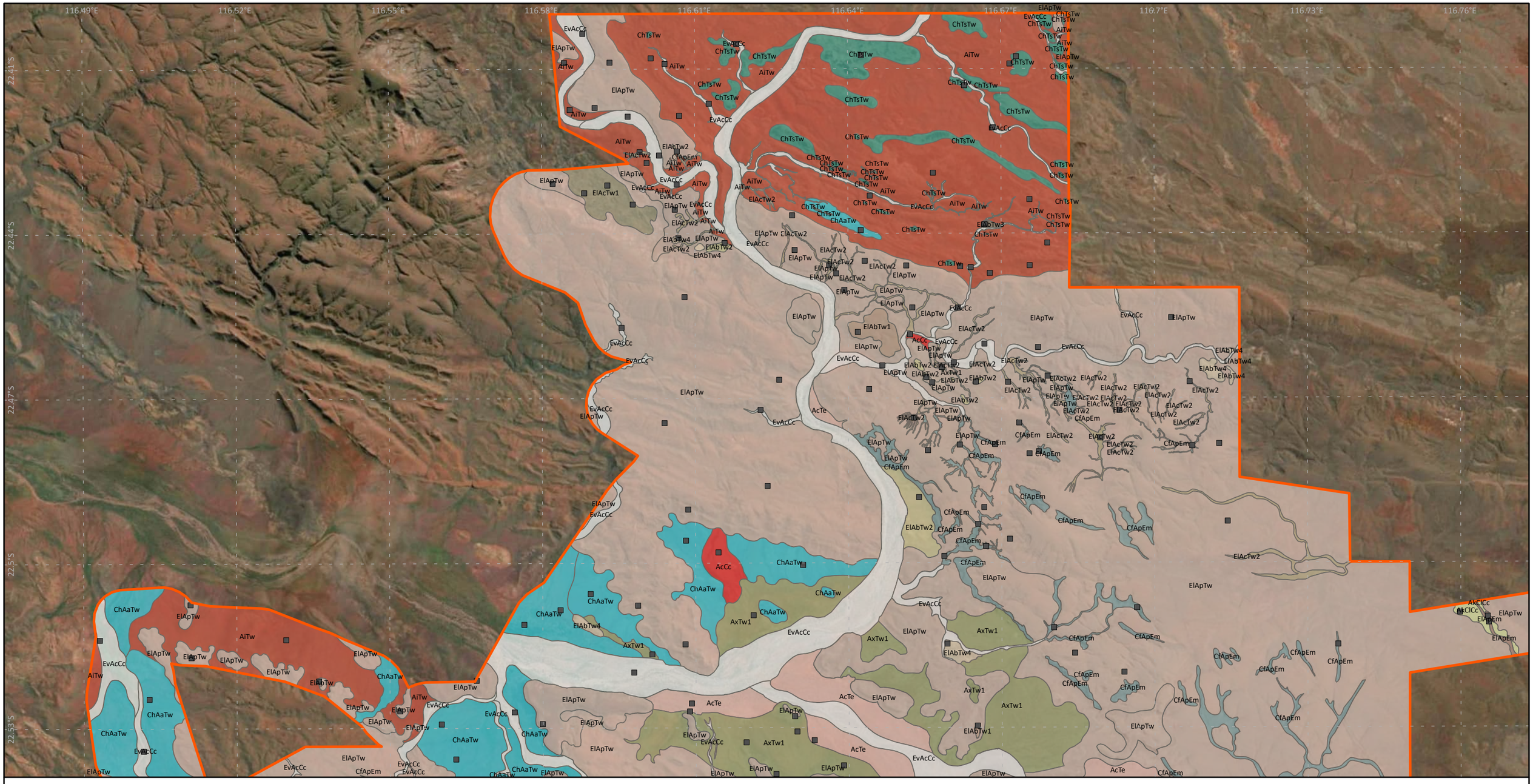
Author: AC
Created Date: 18 February 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:75,000 @A3

Earthstar Geographics

**Map 12:** Vegetation types recorded within the survey area (west).

0 1.3 2.5 5

Kilometers




Wyloo North Mine and Transport Options survey area

Sampling site

Vegetation type

- **AbTw** - *Acacia bivenosa, Acacia synchronicia, Senna glutinosa* mid sparse shrubland; *Triodia wiseana, ±Triodia angusta* low open hummock grassland
- **AcCc** - *Acacia citrinoviridis, Acacia synchronicia* tall open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland
- **AcTe** - *±Acacia citrinoviridis* tall open shrubland; *Triodia epactia, *Cenchrus ciliaris, *Cenchrus setiger* low grassland
- **AiTw** - *Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana, Dolichocarpa crouchiana, Dysphania rhadinostachya* low open hummock grassland/herbland
- **AkClCc** - *Acacia kempeana* tall shrubland; *Corchorus laniflorus* low open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland
- **AkClTe** - *Acacia kempeana, Acacia synchronicia* tall sparse shrubland; *Corchorus laniflorus, Ptilotus astrolasius, Senna artemisioides* low sparse shrubland; *Triodia epactia, *Cenchrus ciliaris* low open hummock grassland
- **AkTw** - *Acacia kempeana, Acacia tumida* var. *pilbarensis, Gossypium robinsonii* tall open shrubland; *Triodia wiseana, Triodia pisoliticola* (P3) low sparse hummock grassland
- **ApTw** - *Acacia pruinocarpa, Acacia synchronicia* tall open shrubland; *Triodia wiseana, ±Triodia epactia* low hummock grassland
- **AxTw1** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Eremophila cuneifolia* low sparse shrubland; *Triodia wiseana* low sparse hummock grassland
- **AxTw2** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Triodia wiseana, Cynodon prostratus, Sporobolus australasicus* low open hummock/tussock grassland
- **CfAcEm** - *Corymbia ferriticola* low open woodland; *Acacia citrinoviridis, Acacia pruinocarpa, Flueggea virosa* tall sparse shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland
- **CfApEm** - *Corymbia ferriticola* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland
- **ChAaTw** - *±Corymbia hamersleyana* low isolated trees; *Acacia ancistrocarpa, Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana* low open hummock grassland
- **ChTsTw** - *Corymbia hamersleyana* low isolated trees; *Terminalia supranitifolia* tall sparse shrubland; *Triodia wiseana* low open hummock grassland
- **ElAbTw1** - *±Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa, Acacia synchronicia* tall open shrubland; *Triodia wiseana* low open hummock grassland
- **ElAbTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland
- **ElAbTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana, Roepera eichleri, Stackhousia muricata* low open hummock grassland/herbland
- **ElAbTw4** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland
- **ElAcTw1** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland
- **ElAcTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland.
- **ElAcTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis, Acacia bivenosa, Gossypium robinsonii* tall open shrubland; *Triodia wiseana* low hummock grassland
- **ElApEm** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland
- **ElApTw** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa, Acacia arida* mid open shrubland; *Triodia wiseana, ±Triodia pisoliticola* low tussock grassland
- **EvAcCc** - *Eucalyptus victrix, ±Eucalyptus camaldulensis* mid open woodland; *Acacia citrinoviridis, Acacia pyrifolia, Gossypium robinsonii* tall sparse shrubland; **Cenchrus ciliaris, *C. setiger, Triodia wiseana* low grassland

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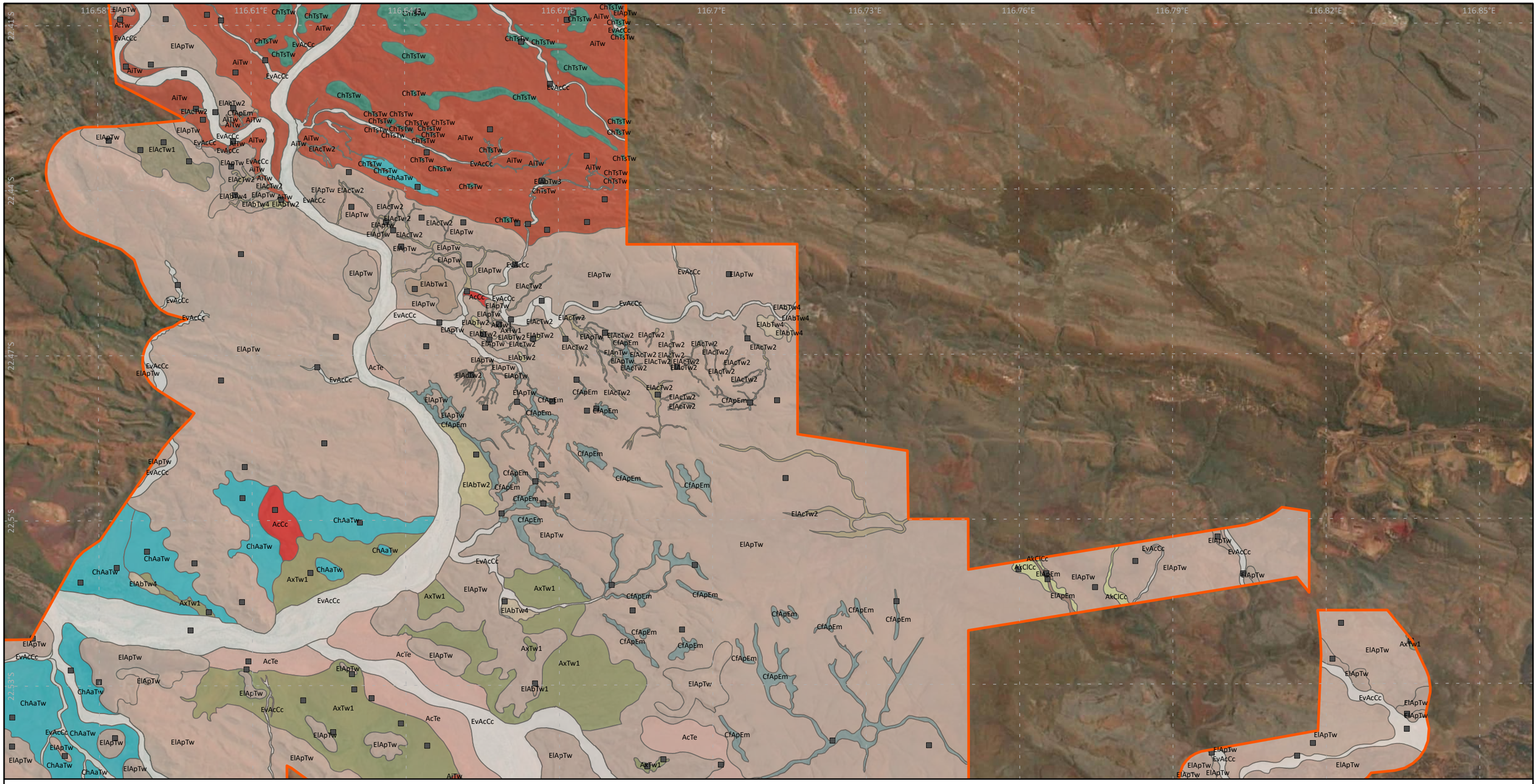
Earthstar Geographics

**Map 13:** Vegetation types recorded within the survey area (north).

0 1.3 2.5 5
Kilometers




Wyloo North Mine and Transport Options survey area

Sampling site

Vegetation type

**AbTw** - *Acacia bivenosa, Acacia synchronicia, Senna glutinosa* mid sparse shrubland; *Triodia wiseana, ±Triodia angusta* low open hummock grassland

**AcCc** - *Acacia citrinoviridis, Acacia synchronicia* tall open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland

**AcTe** - *±Acacia citrinoviridis* tall open shrubland; *Triodia epactia, *Cenchrus ciliaris, *Cenchrus setiger* low grassland

**AiTw** - *Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana, Dolichocarpa crouchiana, Dysphania rhadinostachya* low open hummock grassland/herbland

**AkClCc** - *Acacia kempeana* tall shrubland; *Corchorus laniflorus* low open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland

**AkClTe** - *Acacia kempeana, Acacia synchronicia* tall sparse shrubland; *Corchorus laniflorus, Ptilotus astrolasius, Senna artemisioides* low sparse shrubland; *Triodia epactia, *Cenchrus ciliaris* low open hummock grassland

**AkTw** - *Acacia kempeana, Acacia tumida* var. *pilbarensis, Gossypium robinsonii* tall open shrubland; *Triodia wiseana, Triodia pisoliticola* (P3) low sparse hummock grassland

**ApTw** - *Acacia pruinocarpa, Acacia synchronicia* tall open shrubland; *Triodia wiseana, ±Triodia epactia* low hummock grassland

**AxTw1** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Eremophila cuneifolia* low sparse shrubland; *Triodia wiseana* low sparse hummock grassland

**AxTw2** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Triodia wiseana, Cynodon prostratus, Sporobolus australasicus* low open hummock/tussock grassland

**CfAcEm** - *Corymbia ferriticola* low open woodland; *Acacia citrinoviridis, Acacia pruinocarpa, Flueggea virosa* tall sparse shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**CfApEm** - *Corymbia ferriticola* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**ChAaTw** - *±Corymbia hamersleyana* low isolated trees; *Acacia ancistrocarpa, Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana* low open hummock grassland

**ChTsTw** - *Corymbia hamersleyana* low isolated trees; *Terminalia supranitifolia* tall sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw1** - *±Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa, Acacia synchronicia* tall open shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana, Roepera eichleri, Stackhousia muricata* low open hummock grassland/herbland

**ElAbTw4** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAcTw1** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland

**ElAcTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland.

**ElAcTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis, Acacia bivenosa, Gossypium robinsonii* tall open shrubland; *Triodia wiseana* low hummock grassland

**ElApEm** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**ElApTw** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa, Acacia arida* mid open shrubland; *Triodia wiseana, ±Triodia pisoliticola* low tussock grassland

**EvAcCc** - *Eucalyptus victrix, ±Eucalyptus camaldulensis* mid open woodland; *Acacia citrinoviridis, Acacia pyrifolia, Gossypium robinsonii* tall sparse shrubland; **Cenchrus ciliaris, *C. setiger, Triodia wiseana* low grassland

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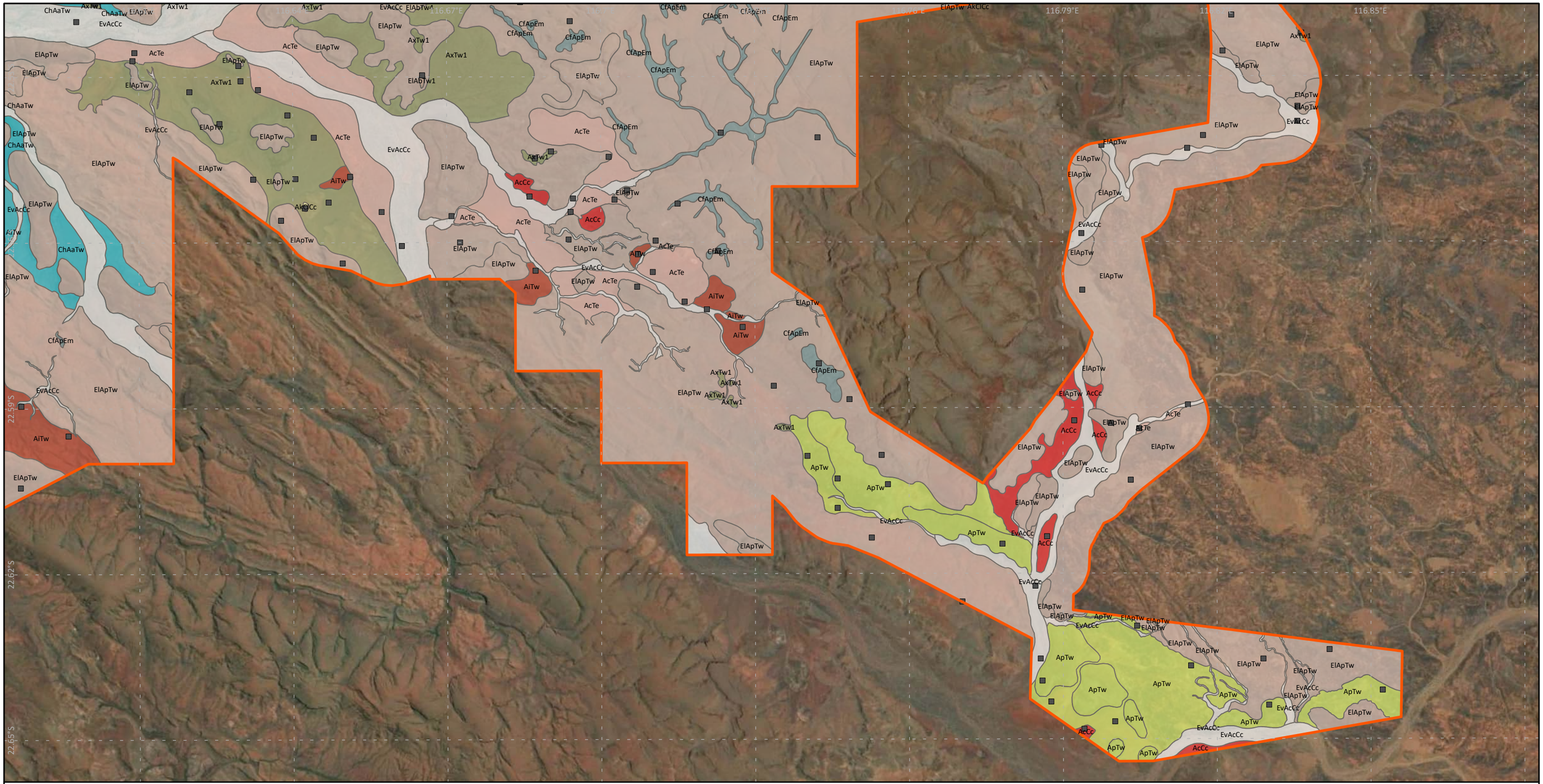
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:75,000 @A3

Earthstar Geographics

**Map 14:** Vegetation types recorded within the survey area (northeast).

0 1.3 2.5 5

Kilometers




Wyloo North Mine and Transport Options survey area

Sampling site

Vegetation type

**AbTw** - *Acacia bivenosa, Acacia synchronicia, Senna glutinosa* mid sparse shrubland; *Triodia wiseana, ±Triodia angusta* low open hummock grassland

**AcCc** - *Acacia citrinoviridis, Acacia synchronicia* tall open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland

**AcTe** - *±Acacia citrinoviridis* tall open shrubland; *Triodia epactia, *Cenchrus ciliaris, *Cenchrus setiger* low grassland

**AiTw** - *Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana, Dolichocarpa crouchiana, Dysphania rhadinostachya* low open hummock grassland/herbland

**AkClCc** - *Acacia kempeana* tall shrubland; *Corchorus laniflorus* low open shrubland; **Cenchrus ciliaris, *Cenchrus setiger, Triodia wiseana* low grassland

**AkClTe** - *Acacia kempeana, Acacia synchronicia* tall sparse shrubland; *Corchorus laniflorus, Ptilotus astrolasius, Senna artemisioides* low sparse shrubland; *Triodia epactia, *Cenchrus ciliaris* low open hummock grassland

**AkTw** - *Acacia kempeana, Acacia tumida* var. *pilbarensis, Gossypium robinsonii* tall open shrubland; *Triodia wiseana, Triodia pisoliticola* (P3) low sparse hummock grassland

**ApTw** - *Acacia pruinocarpa, Acacia synchronicia* tall open shrubland; *Triodia wiseana, ±Triodia epactia* low hummock grassland

**AxTw1** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Eremophila cuneifolia* low sparse shrubland; *Triodia wiseana* low sparse hummock grassland

**AxTw2** - *Acacia xiphophylla, Acacia synchronicia, Acacia tetragonophylla* tall open shrubland; *Triodia wiseana, Cynodon prostratus, Sporobolus australasicus* low open hummock/tussock grassland

**CfAcEm** - *Corymbia ferriticola* low open woodland; *Acacia citrinoviridis, Acacia pruinocarpa, Flueggea virosa* tall sparse shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**CfApEm** - *Corymbia ferriticola* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**ChAaTw** - *±Corymbia hamersleyana* low isolated trees; *Acacia ancistrocarpa, Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana* low open hummock grassland

**ChTsTw** - *Corymbia hamersleyana* low isolated trees; *Terminalia supranitifolia* tall sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw1** - *±Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa, Acacia synchronicia* tall open shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAbTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana, Roepera eichleri, Stackhousia muricata* low open hummock grassland/herbland

**ElAbTw4** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland

**ElAcTw1** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland

**ElAcTw2** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland.

**ElAcTw3** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis, Acacia bivenosa, Gossypium robinsonii* tall open shrubland; *Triodia wiseana* low hummock grassland

**ElApEm** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata, Triodia pisoliticola, Triodia wiseana* low grassland

**ElApTw** - *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa, Acacia arida* mid open shrubland; *Triodia wiseana, ±Triodia pisoliticola* low tussock grassland

**EvAcCc** - *Eucalyptus victrix, ±Eucalyptus camaldulensis* mid open woodland; *Acacia citrinoviridis, Acacia pyrifolia, Gossypium robinsonii* tall sparse shrubland; **Cenchrus ciliaris, *C. setiger, Triodia wiseana* low grassland

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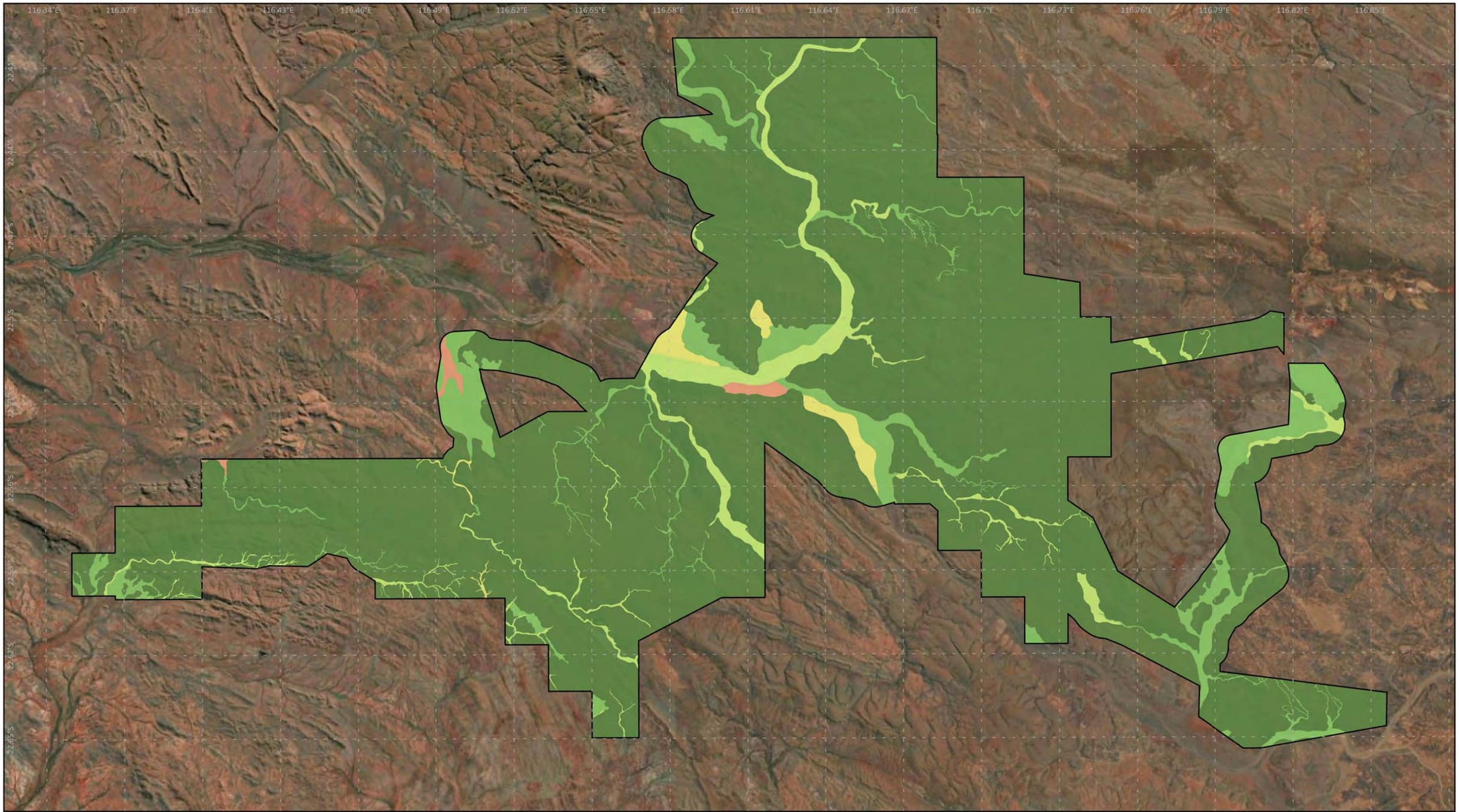
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:75,000 @A3

Earthstar Geographics

**Map 15:** Vegetation types recorded within the survey area (southeast).

0 1.3 2.5 5
Kilometers




Survey area

Excellent

Very Good

Good

Poor

Degraded

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Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

**Map 16:** Vegetation condition within the survey area.

Earthstar Geographics

0 2.5 5 10

Kilometers

116.3833°E 116.4167°E 116.5°E 116.5833°E 116.6667°E 116.75°E 116.8333°E

22.4167°S

22.5°S

22.5833°S

Survey area

'Triodia pisoliticola assemblages of mesas of the West Pilbara' (DBCA 500 m buffer)

Priority 3 PEC 'Triodia pisoliticola assemblages of mesas of the West Pilbara'

Possible Priority 3 PEC 'Triodia pisoliticola assemblages of mesas of the West Pilbara'

Mesa landform, *Triodia pisoliticola* (P3) not recorded.

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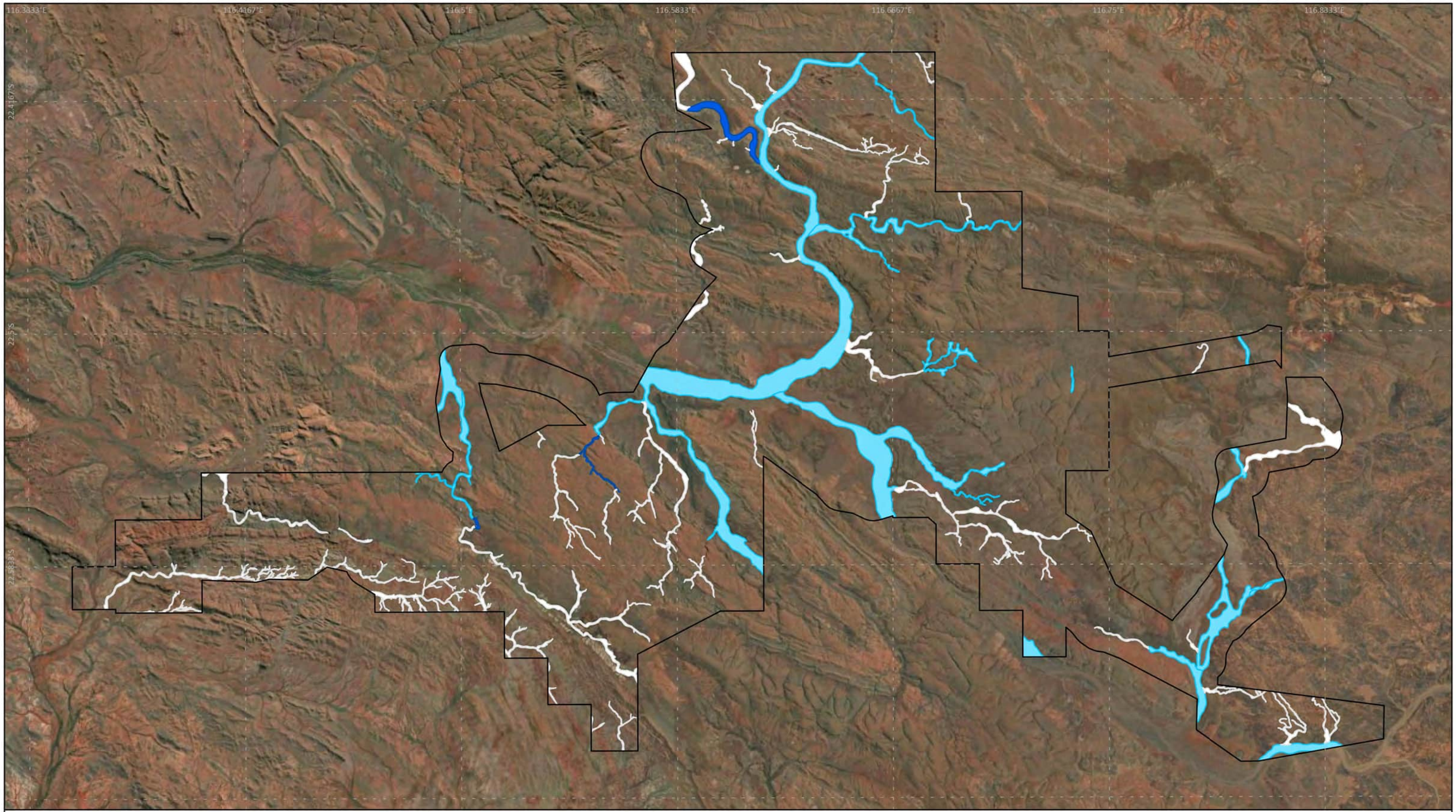
Author: AC
Created Date: 12 May 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

**Map 17:** Significant vegetation – Priority Ecological Communities.

Earthstar Geographics

0 2.5 5 10
Kilometers

N




Survey area

Groundwater Dependent Vegetation (GDV)

Likely Groundwater Dependent Vegetation (LGDV)

Potential Groundwater Dependent Vegetation (PGDV)

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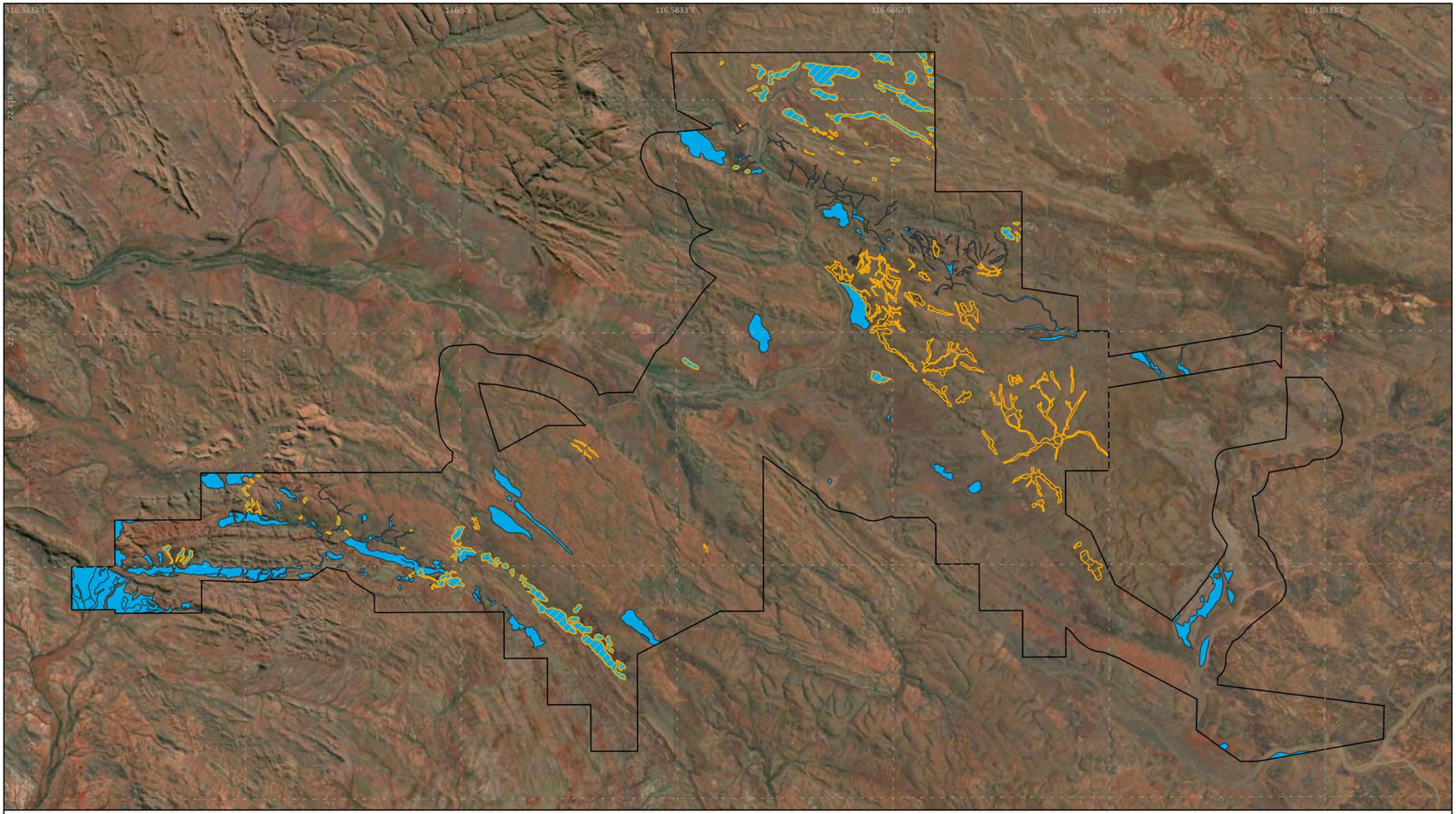
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

**Map 18:** Significant vegetation – Groundwater Dependent Vegetation.

Earthstar Geographics

0 2.5 5 10
Kilometers




Survey area

Potentially restricted vegetation

Potential refugia

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Project No.: 1999
Author: AC
Created Date: 12 May 2025
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Scale: 1:140,000 @A3

**Map 19:** Significant vegetation – Potentially restricted vegetation and refugia.

Earthstar Geographics

0 2.5 5 10

Kilometers

AbTw: *Acacia bivenosa*, *Acacia synchronicia*, *Senna glutinosa* subsp. *pruinosa* mid sparse shrubland; *Triodia wiseana*, ±*Triodia angusta* low open hummock grassland.

AcCc: *Acacia citrinoviridis*, *Acacia synchronicia* tall open shrubland; **Cenchrus ciliaris*, **Cenchrus setiger*, *Triodia wiseana* low grassland.

**Figure 8: Representative photographs of vegetation types - 1.**

AcTe: ±*Acacia citrinoviridis* tall open shrubland*; Triodia epactia, *Cenchrus ciliaris, *Cenchrus setiger* low grassland.

AiTw: *Acacia inaequilatera* tall sparse shrubland*; Triodia wiseana, Dolichocarpa crouchiana, Dysphania rhadinostachya* low open hummock grassland/herbland.

**Figure 9: Representative photographs of vegetation types - 2.**

AkClCc: *Acacia kempeana* tall shrubland; *Corchorus laniflorus* low open shrubland; **Cenchrus ciliaris*, **Cenchrus setiger*, *Triodia wiseana* low grassland.

AkClTe: *Acacia kempeana*, *Acacia synchronicia* tall sparse shrubland; *Corchorus laniflorus*, *Ptilotus astrolasius*, *Senna artemisioides* subsp. *oligophylla* low sparse shrubland; *Triodia epactia*, **Cenchrus ciliaris* low open hummock grassland/tussock grassland.

**Figure 10: Representative photographs of vegetation types - 3.**

AkTw: *Acacia kempeana*, *Acacia tumida* var. *pilbarensis*, *Gossypium robinsonii* tall open shrubland; *Triodia wiseana*, *Triodia pisoliticola* (P3) low sparse hummock grassland.

ApTw: *Acacia pruinocarpa*, *Acacia synchronicia* tall open shrubland; *Triodia wiseana*, ±*Triodia epactia* low hummock grassland.

**Figure 11: Representative photographs of vegetation types - 4.**

AxTw1: *Acacia xiphophylla*, *Acacia synchronicia*, *Acacia tetragonophylla* tall open shrubland; *Eremophila cuneifolia* low sparse shrubland; *Triodia wiseana* low sparse hummock grassland.

AxTw2: *Acacia xiphophylla*, *Acacia synchronicia*, *Acacia tetragonophylla* tall open shrubland; *Triodia wiseana*, *Cynodon prostratus*, *Sporobolus australasicus* low open hummock/tussock grassland.

**Figure 12: Representative photographs of vegetation types - 5.**

CfAcEm: *Corymbia ferriticola* low open woodland; *Acacia citrinoviridis*, *Acacia pruinocarpa*, *Flueggea virosa* tall sparse shrubland; *Eriachne mucronata*, *Triodia pisoliticola*, *Triodia wiseana* low grassland.

CfApEm: *Corymbia ferriticola* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata*, *Triodia pisoliticola*, *Triodia wiseana* low grassland.

**Figure 13: Representative photographs of vegetation types - 6.**

ChAaTw: ±*Corymbia hamersleyana* low isolated trees; *Acacia ancistrocarpa*, *Acacia inaequilatera* tall sparse shrubland; *Triodia wiseana* low open hummock grassland.

ChTsTw: *Corymbia hamersleyana* low isolated trees; *Terminalia supranitifolia* tall sparse shrubland; *Triodia wiseana* low open hummock grassland.

**Figure 14: Representative photographs of vegetation types - 7**

ElAbTw1: ±*Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa*, *Acacia synchronicia* tall open shrubland; *Triodia wiseana* low open hummock grassland.

ElAbTw2: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland.

**Figure 15: Representative photographs of vegetation types - 8**

ElAbTw3: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana*, *Roepera eichleri*, *Stackhousia muricata* subsp. annual (W.R. Barker 2172) low open hummock grassland/herbland.

ElAbTw4: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia bivenosa* mid sparse shrubland; *Triodia wiseana* low open hummock grassland.

**Figure 16: Representative photographs of vegetation types - 9**

ElAcTw1: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland.

ElAcTw2: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis* tall sparse shrubland; *Triodia wiseana* low hummock grassland.

**Figure 17: Representative photographs of vegetation types - 10**

ElAcTw3: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia citrinoviridis*, *Acacia bivenosa*, *Gossypium robinsonii* tall open shrubland; *Triodia wiseana* low hummock grassland.

ElApEm: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa* tall open shrubland; *Eriachne mucronata*, *Triodia pisoliticola*, *Triodia wiseana* low grassland.

**Figure 18: Representative photographs of vegetation types - 11**

ElApTw: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland; *Acacia pruinocarpa*, *Acacia arida* mid open shrubland; *Triodia wiseana*, ±*Triodia pisoliticola* low hummock grassland.

EvAcCc: *Eucalyptus victrix*, ±*Eucalyptus camaldulensis* mid open woodland; *Acacia citrinoviridis*, *Acacia pyrifolia*, *Gossypium robinsonii* tall sparse shrubland; **Cenchrus ciliaris*, **Cenchrus setiger*, *Triodia wiseana* low grassland.

**Figure 19: Representative photographs of vegetation types - 12**

# 5 DISCUSSION

## 5.1 FLORA

### 5.1.1 Floristic Diversity

A total of 482 vascular plant taxa were recorded within the survey area, representing approximately 89% of the estimated species richness (Chao2) for the area at the time of the survey, and approximately 96% of the 505 taxa that have been recorded within 40 km of the survey area (ALA, 2023). The most dominant families were the Fabaceae, Poaceae, Asteraceae, Malvaceae, Amaranthaceae, and Cyperaceae; the most dominant genera were *Acacia*, *Ptilotus*, *Eremophila*, *Cyperus*, and *Goodenia*. These dominant groups are consistent with those identified for the area during the desktop assessment, and the overall species diversity and floristic composition of the survey area is typical of the landforms present and for the Hamersley IBRA subregion more generally.

### 5.1.2 Significant Species

**Priority species**

Fifteen (15) DBCA listed Priority taxa were recorded within the survey area, which are outlined below. Populations of Priority species are widespread across the survey area, occur in a variety of habitats, and were recorded from most of the described vegetation types.

Priority 1

- ***Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01)** is currently known from 3 locations within the Hamersley IBRA subregion (within this survey area, near the Loras and Cobra deposits area (approx. 26 km to the northeast of the survey area), and from near Mount Farquhar (approx. 43 km to the northeast of the survey area), where it is primarily recorded from creek banks and lower slopes with red-brown loamy soil. Sixty-one (61) individuals were recorded within the survey area from 2 locations within riparian habitats.

Priority 2

- ***Dicladanthera glabra*** occurs in the Pilbara from near Pannawonica to just east of Karijini National Park where it is usually associated with watercourses and rock pools. A total of 241 individuals were recorded within the survey area from rocky upland drainage lines. This species was recorded by Biota in 2017 but was not rerecorded by either *ecologia* or Focused Vision. The area in which it was recorded was not resurveyed by *ecologia*.
- ***Pentalepis trichodesmoides* subsp. *hispida*** is relatively widespread in the Pilbara, occurring in the Chichester, Hamersley, and Roebourne IBRA subregions, and extending from near Karratha to Karijini National Park. Sixty-two (62) individuals have been recorded within the survey area on basalt and BIF hill slopes and crests (usually associated with outcrops).
- ***Solanum pycnotrichum*** is represented by a single record in the Pilbara from the Cane River Conservation Park. Two (2) individuals identified as *Solanum* ?*pycnotrichum* were recorded from a clayey plain within the survey area.

Priority 3

- ***Cyanthillium gracile*** has a relatively restricted distribution in the Pilbara (mostly to an area of approximately 30 km x 100 km within the Hamersley subregion), but it is otherwise widespread in northern and eastern Australia. Two-hundred and eleven (211) individuals (including specimens identified as *Cyanthillium* sp.) have been recorded within the survey area where it is associated with BIF hills, typically in the sheltered areas of rocky gullies.
- ***Fimbristylis sieberiana*** occurs primarily in the central Pilbara from the Millstream Chichester National Park through to just east of Karijini, where it has been recorded from pool edges and

sandstone cliffs. Fifty (50) individuals have been recorded within the survey area from a single rocky gorge.

- ***Indigofera rivularis*** has a relatively wide distribution in the Hamersley subregion, occurring from near Cane River Conservation Park in the northwest to near Tom Price in the southeast. It was locally abundant in the survey area, where 3,150 individuals were recorded from the banks of larger creeks.
- ***Ipomoea racemigera*** extends from near Karratha in the northwest of its distribution to near Newman in the southeast, where it is associated with riparian habitats. It is widespread in northern Australia, occurring in southern and central Northern Territory, northern Queensland, and north-eastern South Australia. One individual was recorded within the survey area from a major creek.
- ***Sida* sp. Hamersley Range (K. Newbey 10692)** has a relatively wide distribution primarily in the Hamersley subregion, although there are outlying records in the Chichester subregion. It occurs from Millstream Chichester NP (National Park) to just southeast of Karijini NP. Five-hundred and ninety-six (596) individuals have been recorded within the survey area primarily from BIF gorges.
- ***Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415)** has a relatively wide distribution within the Hamersley subregion, occurring from near the Mesa J mine site to Karijini NP. It was abundant within the survey area where 508 individuals were recorded from a variety of habitats and vegetation types, but primarily from elevated rocky areas.
- ***Terminalia supranitifolia*** has a patchy distribution in the Pilbara where is usually associated with basalt rockpiles. Five (5) individuals were recorded within the survey area from an upland drainage line.
- ***Triodia pisoliticola*** has a relatively wide distribution in the Chichester and Hamersley subregions, occurring mostly from Cane River to Pannawonica. It was often a dominant component of plant communities occurring on taller ironstone slopes, hill crests, and gullies within the survey area, and was also relatively common in rocky creeks. Over 60,000 individuals were recorded within the survey area.

Priority 4

- ***Eremophila magnifica* subsp. *magnifica*** is widespread in the Hamersley subregion of the Pilbara where it is associated with rocky screes. Twenty-seven (27) individuals (2 from the current surveys) have been recorded within the survey area from hill tops and upland gorges.
- ***Ptilotus mollis*** is widespread in the Pilbara region, occurring from Cane River Conservation Park in the west to Meenthena Station in the east, and typically grows on steep rocky slopes. Approximately 2,726 individuals were recorded within the survey area from rocky hill tops and slopes.
- ***Rhynchosia bungarensis*** is relatively widespread in the Pilbara where it is often associated with rock piles, creeks, and gorges. Approximately 1,409 individuals were recorded within the survey area mostly from major creeks and upland gorges.

**Potentially new species**

Five (5) individuals of the potentially new species referred to here as *Eremophila* sp. (coll. code KH27), which has superficial similarities to *Eremophila magnifica* subsp. *velutina*, was recorded within the survey area by Focused Vision (2025) from a rocky ridge (vegetation type ElApTw).

### 5.1.3 Range Extensions

Ten (10) species recorded within the survey area occurred more than 100 km from their nearest confirmed location, and for 7 of these species the records were considered significant range extensions. One record represented an isolated outlier: *Acacia catenulata* subsp. *occidentalis*. Six (6) records represented species at the extreme edge of their range: *Acacia balsamea*, *Acacia glaucocaesia*, *Enneapogon pallidus*, *Euploca skeleton*, *Ipomoea calobra*, and *Ipomoea racemigera*. The remaining 3 species (*Amyema benthamii*, *Teucrium* ?*teucriiflorum*, and *Triodia schinzii*) are generally common and widespread in the Pilbara and surrounding regions; the records from the survey area occurred broadly within their known distributions and were therefore not significant.

### 5.1.4 Introduced Species

Seventeen (17) introduced species were recorded within the survey area, none of which were Declared Pests or WONS. All of these species are widely naturalised across the Pilbara region and their presence within the survey area is not considered unusual.

## 5.2 VEGETATION

### 5.2.1 Vegetation Types and Condition

Vegetation within the survey area consisted primarily of *Eucalyptus leucophloia* subsp. *leucophloia* low open woodlands over *Triodia wiseana* hummock grasslands that occur on rocky ironstone, BIF, and basalt hills associated primarily with the Newman land system (vegetation type ElApTw), which accounted for over 55% of the survey area. These results are consistent with the pre-European vegetation mapping of Shepherd et al. (2002) in which vegetation association 82 (*Eucalyptus leucophloia*, *E. gamophylla* low open woodland over *Triodia wiseana* open hummock grassland) is mapped over most of the survey area. *Acacia inaequilatera* tall sparse shrublands (AiTw) occurring on rocky ironstone/basalt hills primarily associated with the Rocklea and Newman land system accounted for 11% of the survey area, and *Eucalyptus victrix* woodlands associated with major creeks (EvAcCc) accounted for 7.5% of the survey area. The remaining vegetation types each accounted for less than 5% of the survey area.

Vegetation condition within the survey area ranged from 'Degraded' to 'Excellent' according to the EPA (2016) vegetation condition scale and was based on the condition of vegetation observed at sampling sites and along traverses, and extrapolated to unsurveyed parts of the area. The survey area mostly consists of undisturbed rocky hills and undulating plains, and vegetation in these areas was almost exclusively in 'Excellent' condition, with either no obvious disturbance or only very minor weed invasion and grazing. The more significant creeks and associated floodplains, particularly Duck Creek, were in some cases comparatively degraded ('Good' to 'Very Good') owing to weed infestation (primarily **Cenchrus ciliaris* and **C. setiger*) and heavy grazing in some areas. Smaller rocky creeks and other drainage features within the survey area appeared to be less degraded in general.

### 5.2.2 Significant and Potentially Significant Vegetation

**Threatened and Priority Ecological Communities**

Spatial data from the DBCA Threatened and Priority Ecological Communities Database and community descriptions were compared to the vegetation types described here to assess the potential presence of TECs and PECs within the survey area. TECs listed under the EPBC Act are regarded as nationally significant. No EPBC Act listed TECs were recorded within the survey area. State listed TECs and PECs are regarded as being of state significance. No state listed TECs were recorded within the survey area. One DBCA listed PEC was recorded.

The '*Triodia pisoliticola* (previously *Triodia* sp. Robe River) assemblages of mesas of the West Pilbara' Priority 3 PEC was recorded within the survey area. Two (2) floristically similar vegetation types were recorded from mesas: ElApTw and ApTw. Neither of these vegetation types were restricted to mesas, and the results of the cluster analysis indicated that the plant communities on mesas were not sufficiently distinct from surrounding vegetation to be described as a separate vegetation type. Areas where ElApTw and ApTw occurred on mesas, and the required diagnostic species were confirmed to be present, were assessed as the PEC. Adjacent mesas which could not be surveyed for the diagnostic species were assessed as potential PEC. A total of 921 ha of confirmed PEC and 1,960 ha of potential PEC were mapped within the survey area, together representing 5.5% of the survey area.

**Groundwater Dependent Vegetation**

Three (3) vegetation types included groundwater dependent or potentially groundwater dependent species: EvAcCc, CfApEm, and AcTe. Vegetation confirmed to support *Melaleuca argentea* was assessed as GDV and accounted for 127.8 ha (0.24%) of the survey area. Vegetation confirmed to support *Eucalyptus camaldulensis* was assessed as LGDV and accounted for 2,707 ha (5.2%) of the survey area. Vegetation supporting only *E. victrix*, or riparian areas in which the presence of *E. camaldulensis* of *M. argentea* could not be confirmed, were assessed as PGDV and accounted for 1,196 ha (2.28%) of the survey area. In total, GDV, LGDV, and PGDV accounted for 4,030.8 ha (7.7%) of the survey area.

**Potential refugia**

Deep sheltered gorges, basalt outcrops, and calcrete hills (which included vegetation types CfAcEm, CfApEm, ChTsTw, ElAbTw3, and ElAbTw4) were identified as potential refugia within the survey area, as they are potentially restricted habitats in a regional context which support species that, at least based on the data from this survey, are mostly or entirely restricted to these habitats. These vegetation types accounted for 1,457 ha (2.8%) of the survey area.

**Locally restricted vegetation**

Sixteen (16) vegetation types each accounted for less than 1% of the total survey area; therefore, they have a limited local extent and are potentially restricted in a regional context. These collectively accounted for 5.9% (3,132 ha) of the survey area.

Four (4) of these vegetation types were strongly associated with landforms that were also relatively restricted within the survey area: deep, steep-sided gorges (CfAcEm), basalt outcrops (ChTsTw), and calcrete hills (ElAbTw2, ElAbTw4), and are considered potential refugia as discussed above.

The remaining potentially restricted types occurred on more widespread landforms (e.g., floodplains, plains, and low hills), and based on a comparison with regional quadrat data and aerial imagery they are likely to be represented outside of the survey area and are not considered significant.

**Regionally restricted vegetation**

Regional data analysis indicated most vegetation types are represented outside the survey area. Three (3) vegetation types (AkClTe, ChTsTw, and ElAcTw1) were not floristically like quadrats in the regional dataset. However, all 3 vegetation types occur at or near the edge of the survey area and inspection of

aerial imagery strongly suggests that these types extend outside of the survey area. These 3 vegetation types are not considered significant, unless for other reasons above, such as ChTsTw.

# 6 CONCLUSIONS

The key findings of this consolidated assessment were:

- A total of 482 vascular plant taxa were recorded from the survey area, representing approximately 89% of the estimated species richness for the survey area.
- Seventeen (17) introduced species were recorded, none one of which were Declared Pests or WONS.
- Fifteen (15) DBCA listed Priority taxa were recorded within the survey area, including one Priority 1 taxon, 3 Priority 2 taxa (including *Solanum* ?*pycnotrichum*), 18 Priority 3 taxa, and 3 Priority 4 taxa.
- One potentially new species was recorded: *Eremophila* sp. (coll. code KH27).
- Hierarchical agglomerative clustering and ordination analyses were conducted using floristic data from 401 sampling sites, resulting in the classification of 24 vegetation types. Vegetation across most of the survey area was in Excellent condition (86.79%), having no obvious disturbance or only negligible disturbance.
- Part of vegetation types ElApTw and ApTw were consistent with the DBCA listed Priority 3 PEC *Triodia pisoliticola* (previously *Triodia* sp. Robe River) assemblages of mesas of the West Pilbara'.
- Eight (8) vegetation types were potentially significant for other reasons:
    - 5 vegetation types that occur in habitats that are potential refugia (CfApEm, CfAcEm, ChTsTw, ElAbTw3, and ElAbTw4.
    - 3 vegetation types that represent GDV, LGDV, or PGDV (EvAcCc, CfApEm, and AcTe).

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# 8 APPENDICES

## Appendix A Desktop assessment database search results.

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| Acanthaceae | *Dicladanthera forrestii* | | |
| | *Dicladanthera glabra* | P2 | |
| | *Dipteracanthus australasicus* | | |
| | *Harnieria kempeana* | | |
| | *Rostellularia adscendens* | | |
| Aizoaceae | *Trianthema glossostigmum* | | |
| | *Trianthema oxycalyptrum* | | |
| | *Trianthema pilosum* | | |
| | *Trianthema triquetrum* | | |
| | *Trianthema turgidifolium* | | |
| | *Zaleya galericulata* | | |
| Amaranthaceae | *Achyranthes aspera* | | |
| | *Alternanthera denticulata* | | |
| | *Alternanthera nana* | | |
| | *Alternanthera nodiflora* | | |
| | *Amaranthus cuspidifolius* | | |
| | *Amaranthus induratus* | | |
| | *Amaranthus mitchellii* | | |
| | *Amaranthus undulatus* | | |
| | *Gomphrena affinis* | | |
| | *Gomphrena canescens* | | |
| | *Gomphrena cunninghamii* | | |
| | *Gomphrena kanisii* | | |
| | *Ptilotus aervoides* | | |
| | *Ptilotus appendiculatus* | | |
| | *Ptilotus astrolasius* | | |
| | *Ptilotus auriculifolius* | | |
| | *Ptilotus axillaris* | | |
| | *Ptilotus calostachyus* | | |
| | *Ptilotus clementii* | | |
| | *Ptilotus exaltatus* | | |
| | *Ptilotus fusiformis* | | |
| | *Ptilotus gomphrenoides* | | |
| | *Ptilotus helipteroides* | | |
| | *Ptilotus incanus* | | |
| | *Ptilotus macrocephalus* | | |
| | *Ptilotus mollis* | P4 | |
| | *Ptilotus nobilis* | | |
| | *Ptilotus obovatus* | | |
| | *Ptilotus schwartzii* | | |
| | *Ptilotus xerophilus* | | |
| Apiaceae | *Daucus glochidiatus* | | |
| Apocynaceae | *Cynanchum floribundum* | | |
| | *Cynanchum viminale* | | |
| | *Gymnanthera cunninghamii* | P3 | |
| | *Vincetoxicum flexuosum* | | |
| | *Vincetoxicum lineare* | | |
| Araliaceae | *Astrotricha hamptonii* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Trachymene oleracea* | | |
| | *Trachymene pilbarensis* | | |
| Arecaceae | *Livistona alfredii* | P4 | |
| | *Phoenix dactylifera* | | * |
| Asteraceae | *Actinobole oldfieldianum* | | |
| | *Apowollastonia hamersleyensis* | | |
| | *Bidens bipinnata* | | * |
| | *Blumea tenella* | | |
| | *Calocephalus knappii* | | |
| | *Calotis hispidula* | | |
| | *Calotis latiuscula* | | |
| | *Calotis plumulifera* | | |
| | *Chrysocephalum apiculatum* | | |
| | *Chrysocephalum gilesii* | | |
| | *Cyanthillium gracile* | P3 | |
| | *Dichromochlamys dentatifolia* | | |
| | *Flaveria trinervia* | | * |
| | *Ixiochlamys cuneifolia* | | |
| | *Olearia fluvialis* | | |
| | *Olearia xerophila* | | |
| | *Pentalepis trichodesmoides* | | |
| | *Pluchea rubelliflora* | | |
| | *Podolepis eremaea* | | |
| | *Pseudognaphalium luteoalbum* | | |
| | *Pterocaulon sphacelatum* | | |
| | *Rhodanthe humboldtiana* | | |
| | *Rhodanthe margarethae* | | |
| | *Roebuckiella cuneata* | | |
| | *Roebuckiella similis* | | |
| | *Sigesbeckia orientalis* | | * |
| | *Sonchus oleraceus* | | * |
| | *Streptoglossa adscendens* | | |
| | *Streptoglossa bubakii* | | |
| | *Streptoglossa cylindriceps* | | |
| | *Streptoglossa decurrens* | | |
| | *Streptoglossa liatroides* | | |
| | *Streptoglossa odora* | | |
| | *Vittadinia arida* | | |
| | *Vittadinia virgata* | | |
| Boraginaceae | *Heliotropium ammophilum* | | |
| | *Heliotropium crispatum* | | |
| | *Heliotropium cunninghamii* | | |
| | *Heliotropium heteranthum* | | |
| | *Heliotropium tenuifolium* | | |
| | *Trichodesma zeylanicum* | | |
| Brassicaceae | *Lepidium muelleri-ferdinandi* | | |
| | *Lepidium oxytrichum* | | |
| | *Lepidium pedicellosum* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Lepidium phlebopetalum* | | |
| | *Lepidium pholidogynum* | | |
| | *Lepidium platypetalum* | | |
| | *Stenopetalum anfractum* | | |
| Campanulaceae | *Lobelia arnhemiaca* | | |
| | *Lobelia heterophylla* | | |
| Capparaceae | *Capparis lasiantha* | | |
| | *Capparis spinosa* | | |
| | *Capparis umbonata* | | |
| Caryophyllaceae | *Polycarpaea corymbosa* | | |
| | *Polycarpaea holtzei* | | |
| | *Polycarpaea involucrata* | | |
| | *Polycarpaea longiflora* | | |
| Celastraceae | *Denhamia cunninghamii* | | |
| | *Stackhousia intermedia* | | |
| Characeae | *Nitella hyalina* | | |
| Chenopodiaceae | *Atriplex codonocarpa* | | |
| | *Atriplex flabelliformis* | P3 | |
| | *Atriplex semilunaris* | | |
| | *Dysphania kalpari* | | |
| | *Dysphania melanocarpa* | | |
| | *Dysphania rhadinostachya* | | |
| | *Enchylaena tomentosa* | | |
| | *Maireana aphylla* | | |
| | *Maireana georgei* | | |
| | *Maireana melanocoma* | | |
| | *Maireana planifolia* | | |
| | *Maireana pyramidata* | | |
| | *Maireana tomentosa* | | |
| | *Rhagodia eremaea* | | |
| | *Salsola australis* | | |
| | *Salsola tragus* | | |
| | *Sclerolaena bicornis* | | |
| | *Sclerolaena convexula* | | |
| | *Sclerolaena costata* | | |
| | *Sclerolaena cuneata* | | |
| | *Sclerolaena densiflora* | | |
| | *Sclerolaena eriacantha* | | |
| Cleomaceae | *Arivela viscosa* | | |
| Combretaceae | *Terminalia canescens* | | |
| | *Terminalia circumalata* | | |
| | *Terminalia supranitifolia* | P3 | |
| Commelinaceae | *Commelina ensifolia* | | |
| Convolvulaceae | *Bonamia pannosa* | | |
| | *Bonamia pilbarensis* | | |
| | *Bonamia rosea* | | |
| | *Convolvulus clementii* | | |
| | *Duperreya commixta* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Evolvulus alsinoides* | | |
| | *Ipomoea muelleri* | | |
| | *Ipomoea plebeia* | | |
| | *Polymeria lanata* | | |
| Cucurbitaceae | *Austrobryonia pilbarensis* | | |
| | *Cucumis picrocarpus* | | |
| | *Cucumis variabilis* | | |
| | *Trichosanthes cucumerina* | | |
| Cyperaceae | *Bulbostylis barbata* | | |
| | *Bulbostylis turbinata* | | |
| | *Cyperus conicus* | | |
| | *Cyperus cunninghamii* | | |
| | *Cyperus difformis* | | |
| | *Cyperus hesperius* | | |
| | *Cyperus iria* | | |
| | *Cyperus leptocarpus* | | |
| | *Cyperus pulchellus* | | |
| | *Cyperus pygmaeus* | | |
| | *Cyperus rigidellus* | | |
| | *Cyperus squarrosus* | | |
| | *Cyperus vaginatus* | | |
| | *Eleocharis atropurpurea* | | |
| | *Eleocharis geniculata* | | |
| | *Eleocharis spiralis* | | |
| | *Fimbristylis dichotoma* | | |
| | *Fimbristylis ferruginea* | | |
| | *Fimbristylis littoralis* | | |
| | *Fimbristylis microcarya* | | |
| | *Fimbristylis rara* | | |
| | *Fimbristylis sieberiana* | P3 | |
| | *Fuirena ciliaris* | | |
| | *Machaerina juncea* | | |
| | *Schoenoplectiella dissachantha* | | |
| | *Schoenoplectiella laevis* | | |
| | *Schoenoplectiella lateriflora* | | |
| | *Schoenoplectus subulatus* | | |
| Dilleniaceae | *Hibbertia glaberrima* | | |
| Euphorbiaceae | *Adriana tomentosa* | | |
| | *Euphorbia australis* | | |
| | *Euphorbia biconvexa* | | |
| | *Euphorbia boophthona* | | |
| | *Euphorbia careyi* | | |
| | *Euphorbia coghlanii* | | |
| | *Euphorbia inappendiculata* | | |
| | *Euphorbia tannensis* | | |
| | *Euphorbia trigonosperma* | | |
| | *Euphorbia vaccaria* | | |
| Fabaceae | *Acacia adoxa* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Acacia ampliceps* | | |
| | *Acacia ancistrocarpa* | | |
| | *Acacia aneura* | | |
| | *Acacia aptaneura* | | |
| | *Acacia arida* | | |
| | *Acacia atkinsiana* | | |
| | *Acacia bivenosa* | | |
| | *Acacia bromilowiana* | P4 | |
| | *Acacia citrinoviridis* | | |
| | *Acacia coriacea* | | |
| | *Acacia exigua* | | |
| | *Acacia hamersleyensis* | | |
| | *Acacia hilliana* | | |
| | *Acacia inaequilatera* | | |
| | *Acacia kempeana* | | |
| | *Acacia lysiphloia* | | |
| | *Acacia maitlandii* | | |
| | *Acacia marramamba* | | |
| | *Acacia monticola* | | |
| | *Acacia orthocarpa* | | |
| | *Acacia pachyacra* | | |
| | *Acacia ptychophylla* | | |
| | *Acacia pyrifolia* | | |
| | *Acacia retivenea* | | |
| | *Acacia sclerosperma* | | |
| | *Acacia sibirica* | | |
| | *Acacia spondylophylla* | | |
| | *Acacia synchronicia* | | |
| | *Acacia tenuissima* | | |
| | *Acacia tetragonophylla* | | |
| | *Acacia trachycarpa* | | |
| | *Acacia tumida* | | |
| | *Acacia umbellata* | | |
| | *Acacia wanyu* | | |
| | *Acacia xiphophylla* | | |
| | *Alysicarpus muelleri* | | |
| | *Cajanus cinereus* | | |
| | *Crotalaria cunninghamii* | | |
| | *Crotalaria medicaginea* | | |
| | *Crotalaria novae-hollandiae* | | |
| | *Cullen lachnostachys* | | |
| | *Cullen leucanthum* | | |
| | *Cullen leucochaites* | | |
| | *Cullen martinii* | | |
| | *Cullen pogonocarpum* | | |
| | *Gastrolobium grandiflorum* | | |
| | *Glycine canescens* | | |
| | *Glycine falcata* | P3 | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Gompholobium karijini* | P2 | |
| | *Gompholobium polyzygum* | | |
| | *Gompholobium tomentosum* | | |
| | *Grona filiformis* | | |
| | *Grona muelleri* | | |
| | *Indigofera colutea* | | |
| | *Indigofera fractiflexa* | | |
| | *Indigofera monophylla* | | |
| | *Indigofera rugosa* | | |
| | *Indigofera sp. Bungaroo Creek (S.van Leeuwen 4301)* | | |
| | *Isotropis atropurpurea* | | |
| | *Labichea lanceolata* | | |
| | *Lotus cruentus* | | |
| | *Mirbelia viminalis* | | |
| | *Petalostylis labicheoides* | | |
| | *Rhynchosia australis* | | |
| | *Rhynchosia bungarensis* | P4 | |
| | *Rhynchosia minima* | | |
| | *Senna artemisioides* | | |
| | *Senna charlesiana* | | |
| | *Senna ferraria* | | |
| | *Senna glaucifolia* | | |
| | *Senna glutinosa* | | |
| | *Senna hamersleyensis* | | |
| | *Senna notabilis* | | |
| | *Senna stricta* | | |
| | *Senna venusta* | | |
| | *Sesbania cannabina* | | |
| | *Sesbania formosa* | | |
| | *Swainsona complanata* | | |
| | *Swainsona forrestii* | | |
| | *Swainsona maccullochiana* | | |
| | *Tephrosia densa* | | |
| | *Tephrosia oxalidea* | | |
| | *Tephrosia rosea* | | |
| | *Tephrosia supina* | | |
| | *Tephrosia uniovulata* | | |
| | *Vachellia farnesiana* | | * |
| | *Vigna lanceolata* | | |
| Gentianaceae | *Schenkia australis* | | |
| | *Schenkia clementii* | | |
| Goodeniaceae | *Dampiera candicans* | | |
| | *Goodenia cusackiana* | | |
| | *Goodenia forrestii* | | |
| | *Goodenia lamprosperma* | | |
| | *Goodenia microptera* | | |
| | *Goodenia muelleriana* | | |
| | *Goodenia nuda* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Goodenia pascua* | | |
| | *Goodenia stobbsiana* | | |
| | *Goodenia tenuiloba* | | |
| | *Goodenia triodiophila* | | |
| | *Scaevola acacioides* | | |
| Gyrostemonaceae | *Codonocarpus cotinifolius* | | |
| Haloragaceae | *Haloragis gossei* | | |
| | *Haloragis maierae* | | |
| Hydrocharitaceae | *Najas marina* | | |
| | *Vallisneria nana* | | |
| Lamiaceae | *Clerodendrum floribundum* | | |
| | *Prostanthera albiflora* | | |
| | *Quoya loxocarpa* | | |
| Loranthaceae | *Amyema hilliana* | | |
| | *Amyema preissii* | | |
| | *Amyema sanguinea* | | |
| | *Diplatia grandibractea* | | |
| | *Lysiana casuarinae* | | |
| Lythraceae | *Ammannia baccifera* | | |
| | *Ammannia multiflora* | | |
| | *Rotala mexicana* | | |
| | *Rotala occultiflora* | | |
| Malvaceae | *Abutilon amplum* | | |
| | *Abutilon cunninghamii* | | |
| | *Abutilon fraseri* | | |
| | *Abutilon lepidum* | | |
| | *Brachychiton acuminatus* | | |
| | *Corchorus aestuans* | | |
| | *Corchorus crozophorifolius* | | |
| | *Corchorus laniflorus* | | |
| | *Corchorus lasiocarpus* | | |
| | *Corchorus sidoides* | | |
| | *Corchorus tectus* | | |
| | *Corchorus tridens* | | |
| | *Gossypium australe* | | |
| | *Gossypium robinsonii* | | |
| | *Gossypium sturtianum* | | |
| | *Gynatrix pulchella* | | |
| | *Hibiscus brachychlaenus* | | |
| | *Hibiscus brachysiphonius* | | |
| | *Hibiscus burtonii* | | |
| | *Hibiscus coatesii* | | |
| | *Hibiscus goldsworthii* | | |
| | *Hibiscus sturtii* | | |
| | *Hibiscus verdcourtii* | | |
| | *Malvastrum americanum* | | * |
| | *Seringia nephrosperma* | | |
| | *Sida arsiniata* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Sida echinocarpa* | | |
| | *Sida rohlenae* | | |
| | *Sida sp. Pilbara (A.A.Mitchell PRP1543)* | | |
| | *Triumfetta chaetocarpa* | | |
| | *Triumfetta clementii* | | |
| | *Triumfetta maconochieana* | | |
| | *Triumfetta propinqua* | | |
| | *Waltheria indica* | | |
| | *Waltheria virgata* | | |
| Marsileaceae | *Marsilea hirsuta* | | |
| | *Marsilea mutica* | | |
| Molluginaceae | *Glinus lotoides* | | |
| | *Trigastrotheca molluginea* | | |
| Moraceae | *Ficus aculeata* | | |
| | *Ficus brachypoda* | | |
| Myrtaceae | *Corymbia aspera* | | |
| | *Corymbia candida* | | |
| | *Corymbia deserticola* | | |
| | *Corymbia hamersleyana* | | |
| | *Eucalyptus brevifolia* | | |
| | *Eucalyptus camaldulensis* | | |
| | *Eucalyptus gamophylla* | | |
| | *Eucalyptus leucophloia* | | |
| | *Eucalyptus pilbarensis* | | |
| | *Eucalyptus socialis* | | |
| | *Eucalyptus trivalva* | | |
| | *Eucalyptus victrix* | | |
| | *Eucalyptus xerothermica* | | |
| | *Melaleuca argentea* | | |
| | *Melaleuca bracteata* | | |
| | *Melaleuca glomerata* | | |
| | *Melaleuca leiocarpa* | | |
| | *Melaleuca linophylla* | | |
| Nyctaginaceae | *Boerhavia burbidgeana* | | |
| | *Boerhavia coccinea* | | |
| | *Boerhavia schomburgkiana* | | |
| | *Commicarpus australis* | | |
| Oleaceae | *Jasminum didymum* | | |
| Orobanchaceae | *Striga curviflora* | | |
| Papaveraceae | *Argemone ochroleuca* | | * |
| Phrymaceae | *Mimulus gracilis* | | |
| | *Peplidium muelleri* | | |
| | *Uvedalia linearis* | | |
| Phyllanthaceae | *Notoleptopus decaisnei* | | |
| | *Phyllanthus calycinus* | | |
| | *Phyllanthus ciccoides* | | |
| | *Phyllanthus erwinii* | | |
| Plantaginaceae | *Stemodia grossa* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| Poaceae | *Amphipogon sericeus* | | |
| | *Aristida burbidgeae* | | |
| | *Aristida contorta* | | |
| | *Aristida exserta* | | |
| | *Aristida polyclados* | P1 | |
| | *Bothriochloa ewartiana* | | |
| | *Cenchrus ciliaris* | | * |
| | *Cenchrus setiger* | | * |
| | *Chloris pectinata* | | |
| | *Chrysopogon fallax* | | |
| | *Cymbopogon ambiguus* | | |
| | *Cymbopogon obtectus* | | |
| | *Cynodon convergens* | | |
| | *Cynodon prostratus* | | |
| | *Dactyloctenium radulans* | | |
| | *Digitaria ctenantha* | | |
| | *Echinochloa colona* | | * |
| | *Elytrophorus spicatus* | | |
| | *Enneapogon caerulescens* | | |
| | *Enneapogon lindleyanus* | | |
| | *Enneapogon polyphyllus* | | |
| | *Enteropogon ramosus* | | |
| | *Eragrostis cumingii* | | |
| | *Eragrostis desertorum* | | |
| | *Eragrostis dielsii* | | |
| | *Eragrostis exigua* | | |
| | *Eragrostis setifolia* | | |
| | *Eragrostis tenellula* | | |
| | *Eragrostis xerophila* | | |
| | *Eriachne aristidea* | | |
| | *Eriachne benthamii* | | |
| | *Eriachne ciliata* | | |
| | *Eriachne mucronata* | | |
| | *Eriachne pulchella* | | |
| | *Eriachne tenuiculmis* | | |
| | *Eriochloa pseudoacrotricha* | | |
| | *Eulalia aurea* | | |
| | *Imperata cylindrica* | | |
| | *Iseilema dolichotrichum* | | |
| | *Iseilema macratherum* | | |
| | *Iseilema membranaceum* | | |
| | *Mnesithea formosa* | | |
| | *Panicum laevinode* | | |
| | *Paraneurachne muelleri* | | |
| | *Paspalidium clementii* | | |
| | *Paspalidium retiglume* | P2 | |
| | *Paspalidium tabulatum* | | |
| | *Perotis rara* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Setaria dielsii* | | |
| | *Setaria verticillata* | | * |
| | *Sorghum plumosum* | | |
| | *Sporobolus australasicus* | | |
| | *Themeda triandra* | | |
| | *Tragus australianus* | | |
| | *Triodia angusta* | | |
| | *Triodia basitricha* | P3 | |
| | *Triodia biflora* | | |
| | *Triodia epactia* | | |
| | *Triodia glabra* | | |
| | *Triodia lutiteana* | | |
| | *Triodia pisoliticola* | P3 | |
| | *Triodia wiseana* | | |
| | *Tripogonella loliiformis* | | |
| | *Triraphis mollis* | | |
| | *Xerochloa barbata* | | |
| Polygalaceae | *Polygala glaucifolia* | | |
| Portulacaceae | *Calandrinia ptychosperma* | | |
| | *Calandrinia schistorhiza* | | |
| | *Portulaca oleracea* | | |
| Potamogetonaceae | *Potamogeton tepperi* | | |
| Proteaceae | *Grevillea berryana* | | |
| | *Grevillea pyramidalis* | | |
| | *Grevillea saxicola* | P3 | |
| | *Grevillea stenobotrya* | | |
| | *Hakea lorea* | | |
| Pteridaceae | *Cheilanthes austrotenuifolia* | | |
| | *Cheilanthes brownii* | | |
| | *Cheilanthes contigua* | | |
| | *Cheilanthes lasiophylla* | | |
| | *Cheilanthes sieberi* | | |
| | *Cheilanthes tenuifolia* | | |
| Rhamnaceae | *Cryptandra monticola* | | |
| Rubiaceae | *Oldenlandia crouchiana* | | |
| | *Oldenlandia galioides* | | |
| | *Pomax rupestris* | | |
| | *Psydrax latifolia* | | |
| | *Synaptantha tillaeacea* | | |
| Ruppiaceae | *Ruppia polycarpa* | | |
| Santalaceae | *Santalum lanceolatum* | | |
| Sapindaceae | *Dodonaea coriacea* | | |
| | *Dodonaea lanceolata* | | |
| | *Dodonaea pachyneura* | | |
| | *Dodonaea petiolaris* | | |
| | *Dodonaea viscosa* | | |
| Scrophulariaceae | *Eremophila cryptothrix* | | |
| | *Eremophila cuneifolia* | | |

| Family | Taxon | Status | Introduced |
|---|---|---|---|
| | *Eremophila exilifolia* | | |
| | *Eremophila forrestii* | | |
| | *Eremophila fraseri* | | |
| | *Eremophila galeata* | | |
| | *Eremophila latrobei* | | |
| | *Eremophila longifolia* | | |
| | *Eremophila maculata* | | |
| | *Eremophila magnifica* | | |
| | *Eremophila phyllopoda* | | |
| | *Eremophila tietkensii* | | |
| Solanaceae | *Datura leichhardtii* | | * |
| | *Nicotiana benthamiana* | | |
| | *Nicotiana bilybara* | | |
| | *Nicotiana karijini* | | |
| | *Nicotiana occidentalis* | | |
| | *Nicotiana rosulata* | | |
| | *Solanum ashbyae* | | |
| | *Solanum cleistogamum* | | |
| | *Solanum diversiflorum* | | |
| | *Solanum elatius* | | |
| | *Solanum gabrielae* | | |
| | *Solanum lasiophyllum* | | |
| | *Solanum phlomoides* | | |
| | *Solanum piceum* | | |
| | *Solanum sturtianum* | | |
| Stylidiaceae | *Stylidium fluminense* | | |
| Surianaceae | *Stylobasium spathulatum* | | |
| Thymelaeaceae | *Pimelea ammocharis* | | |
| | *Pimelea forrestiana* | | |
| | *Pimelea holroydii* | | |
| Urticaceae | *Parietaria cardiostegia* | | |
| Violaceae | *Afrohybanthus aurantiacus* | | |
| Zygophyllaceae | *Roepera eichleri* | | |
| | *Roepera iodocarpa* | | |
| | *Tribulus hirsutus* | | |
| | *Tribulus macrocarpus* | | |
| | *Tribulus platypterus* | | |
| | *Tribulus suberosus* | | |
| | *Tribulus terrestris* | | * |

# EPBC Act Protected Matters Report

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

Report created: 26-Aug-2024

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

Caveat
Acknowledgements

# Summary

## Matters of National Environment Significance

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

| | |
|---|---|
| World Heritage Properties: | None |
| National Heritage Places: | None |
| Wetlands of International Importance (Ramsar | None |
| Great Barrier Reef Marine Park: | None |
| Commonwealth Marine Area: | None |
| Listed Threatened Ecological Communities: | None |
| Listed Threatened Species: | 13 |
| Listed Migratory Species: | 10 |

## Other Matters Protected by the EPBC Act

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

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

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

| | |
|---|---|
| Commonwealth Lands: | None |
| Commonwealth Heritage Places: | None |
| Listed Marine Species: | 15 |
| Whales and Other Cetaceans: | None |
| Critical Habitats: | None |
| Commonwealth Reserves Terrestrial: | None |
| Australian Marine Parks: | None |
| Habitat Critical to the Survival of Marine Turtles: | None |

## Extra Information

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

| | |
|---|---|
| State and Territory Reserves: | None |
| Regional Forest Agreements: | None |
| Nationally Important Wetlands: | None |
| EPBC Act Referrals: | 7 |
| Key Ecological Features (Marine): | None |
| Biologically Important Areas: | None |
| Bioregional Assessments: | None |
| Geological and Bioregional Assessments: | None |

# Details

## Matters of National Environmental Significance

| Listed Threatened Species | | [ Resource Information ] |
|---|---|---|
| Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.<br>Number is the current name ID. | | |
| Scientific Name | Threatened Category | Presence Text |
| BIRD | | |
| Aphelocephala leucopsis<br>Southern Whiteface [529] | Vulnerable | Species or species habitat may occur within area |
| Calidris acuminata<br>Sharp-tailed Sandpiper [874] | Vulnerable | Species or species habitat may occur within area |
| Calidris ferruginea<br>Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area |
| Erythrotriorchis radiatus<br>Red Goshawk [942] | Endangered | Species or species habitat may occur within area |
| Falco hypoleucos<br>Grey Falcon [929] | Vulnerable | Species or species habitat known to occur within area |
| Pezoporus occidentalis<br>Night Parrot [59350] | Endangered | Species or species habitat may occur within area |
| Polytelis alexandrae<br>Princess Parrot, Alexandra's Parrot [758] | Vulnerable | Species or species habitat may occur within area |
| Rostratula australis<br>Australian Painted Snipe [77037] | Endangered | Species or species habitat may occur within area |
| MAMMAL | | |

| Scientific Name | Threatened Category | Presence Text |
|---|---|---|
| Dasyurus hallucatus | | |
| Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331] | Endangered | Species or species habitat known to occur within area |
| Macroderma gigas | | |
| Ghost Bat [174] | Vulnerable | Species or species habitat known to occur within area |
| Rhinonicteris aurantia (Pilbara form) | | |
| Pilbara Leaf-nosed Bat [82790] | Vulnerable | Species or species habitat known to occur within area |
| PLANT | | |
| Thryptomene wittweri | | |
| Mountain Thryptomene [16645] | Vulnerable | Species or species habitat may occur within area |
| REPTILE | | |
| Liasis olivaceus barroni | | |
| Pilbara Olive Python [66699] | Vulnerable | Species or species habitat likely to occur within area |

| Listed Migratory Species | | [ Resource Information ] |
|---|---|---|
| Scientific Name | Threatened Category | Presence Text |
| Migratory Marine Birds | | |
| Apus pacificus | | |
| Fork-tailed Swift [678] | | Species or species habitat likely to occur within area |
| Migratory Terrestrial Species | | |
| 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 | | |

| Scientific Name | Threatened Category | Presence Text |
|---|---|---|
| Actitis hypoleucos<br>Common Sandpiper [59309] | | Species or species habitat may occur within area |
| Calidris acuminata<br>Sharp-tailed Sandpiper [874] | Vulnerable | Species or species habitat may occur within area |
| Calidris ferruginea<br>Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area |
| Calidris melanotos<br>Pectoral Sandpiper [858] | | Species or species habitat may occur within area |
| Charadrius veredus<br>Oriental Plover, Oriental Dotterel [882] | | Species or species habitat may occur within area |
| Glareola maldivarum<br>Oriental Pratincole [840] | | Species or species habitat may occur within area |

## Other Matters Protected by the EPBC Act

| Listed Marine Species | | [ Resource Information ] |
|---|---|---|
| Scientific Name | Threatened Category | Presence Text |
| Bird | | |
| Actitis hypoleucos<br>Common Sandpiper [59309] | | Species or species habitat may occur within area |
| Apus pacificus<br>Fork-tailed Swift [678] | | Species or species habitat likely to occur within area overfly marine area |
| Bubulcus ibis as Ardea ibis<br>Cattle Egret [66521] | | Species or species habitat may occur within area overfly marine area |

| Scientific Name | Threatened Category | Presence Text |
| --- | --- | --- |
| Calidris acuminata<br>Sharp-tailed Sandpiper [874] | Vulnerable | Species or species habitat may occur within area |
| Calidris ferruginea<br>Curlew Sandpiper [856] | Critically Endangered | Species or species habitat may occur within area overfly marine area |
| Calidris melanotos<br>Pectoral Sandpiper [858] | | Species or species habitat may occur within area overfly marine area |
| Chalcites osculans as Chrysococcyx osculans<br>Black-eared Cuckoo [83425] | | Species or species habitat known to occur within area overfly marine area |
| Charadrius veredus<br>Oriental Plover, Oriental Dotterel [882] | | Species or species habitat may occur within area overfly marine area |
| Glareola maldivarum<br>Oriental Pratincole [840] | | Species or species habitat may occur within area overfly marine area |
| Haliaeetus leucogaster<br>White-bellied Sea-Eagle [943] | | Species or species habitat likely to occur within area |
| Hirundo rustica<br>Barn Swallow [662] | | Species or species habitat may occur within area overfly marine area |
| Merops ornatus<br>Rainbow Bee-eater [670] | | Species or species habitat may occur within area overfly marine area |
| Motacilla cinerea<br>Grey Wagtail [642] | | Species or species habitat may occur within area overfly marine area |

| Scientific Name | Threatened Category | Presence Text |
|---|---|---|
| Motacilla flava<br>Yellow Wagtail [644] | | Species or species habitat may occur within area overfly marine area |
| Rostratula australis as Rostratula benghalensis (sensu lato)<br>Australian Painted Snipe [77037] | Endangered | Species or species habitat may occur within area overfly marine area |

## Extra Information

### EPBC Act Referrals [ Resource Information ]

| Title of referral | Reference | Referral Outcome | Assessment Status |
|---|---|---|---|
| **Controlled action** | | | |
| Eliwana Iron Ore Mine Project, Pilbara region, WA | 2017/8024 | Controlled Action | Post-Approval |
| Eliwana Railway Project, Pilbara region, WA | 2017/8025 | Controlled Action | Post-Approval |
| Extension to Brockman Syncline Iron Ore Operations | 2019/8518 | Controlled Action | Assessment Approach |
| Proposed West Pilbara Iron Ore Project | 2009/4706 | Controlled Action | Post-Approval |
| **Not controlled action** | | | |
| Brockman Syncline 4 Iron Ore Project | 2005/2289 | Not Controlled Action | Completed |
| Eliwana Iron Ore Mine | 2020/8749 | Not Controlled Action | Completed |
| Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia | 2015/7522 | Not Controlled Action | Completed |

# Caveat

## 1 PURPOSE

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

The report contains the mapped locations of:

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

## 2 DISCLAIMER

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

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

## 3 DATA SOURCES

Threatened ecological communities

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

Threatened, migratory and marine species

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

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

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

## 4 LIMITATIONS

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

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

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

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

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

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

# Acknowledgements

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

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

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

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**Appendix B Plant species recorded within the survey area and names amalgamated for data analysis.**

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Acanthaceae | *Dicladanthera forrestii* | None | Native |
| Acanthaceae | *Dipteracanthus australasicus* subsp. *australasicus* | None | Native |
| Acanthaceae | *Rostellularia adscendens* var. *clementii* | None | Native |
| Aizoaceae | *Trianthema oxycalyptrum* var. *oxycalyptrum* | None | Native |
| Aizoaceae | *Trianthema pilosum* | None | Native |
| Aizoaceae | *Trianthema triquetrum* | None | Native |
| Aizoaceae | *Trianthema turgidifolium* | None | Native |
| Aizoaceae | *Zaleya galericulata* subsp. *galericulata* | None | Native |
| Amaranthaceae | *Achyranthes aspera* | None | Native |
| Amaranthaceae | *Aerva javanica* | None | Introduced |
| Amaranthaceae | *Alternanthera nana* | None | Native |
| Amaranthaceae | *Alternanthera nodiflora* | None | Native |
| Amaranthaceae | *Amaranthus cuspidifolius* | None | Native |
| Amaranthaceae | *Amaranthus undulatus* | None | Native |
| Amaranthaceae | *Gomphrena affinis* subsp. *pilbarensis* | None | Native |
| Amaranthaceae | *Gomphrena canescens* subsp. *canescens* | None | Native |
| Amaranthaceae | *Gomphrena cunninghamii* | None | Native |
| Amaranthaceae | *Gomphrena kanisii* | None | Native |
| Amaranthaceae | *Ptilotus aervoides* | None | Native |
| Amaranthaceae | *Ptilotus appendiculatus* | None | Native |
| Amaranthaceae | *Ptilotus astrolasius* | None | Native |
| Amaranthaceae | *Ptilotus auriculifolius* | None | Native |
| Amaranthaceae | *Ptilotus axillaris* | None | Native |
| Amaranthaceae | *Ptilotus calostachyus* | None | Native |
| Amaranthaceae | *Ptilotus clementii* | None | Native |
| Amaranthaceae | *Ptilotus exaltatus* | None | Native |
| Amaranthaceae | *Ptilotus fusiformis* | None | Native |
| Amaranthaceae | *Ptilotus gomphrenoides* | None | Native |
| Amaranthaceae | *Ptilotus helipteroides* | None | Native |
| Amaranthaceae | *Ptilotus incanus* | None | Native |
| Amaranthaceae | *Ptilotus mollis* | Priority 4 (DBCA) | Native |
| Amaranthaceae | *Ptilotus obovatus* var. *obovatus* | None | Native |
| Amaranthaceae | *Ptilotus polystachyus* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Amaranthaceae | *Ptilotus rotundifolius* | None | Native |
| Amaranthaceae | *Ptilotus schwartzii* var. *schwartzii* | None | Native |
| Amaranthaceae | *Ptilotus xerophilus* | None | Native |
| Apocynaceae | *Cynanchum floribundum* | None | Native |
| Apocynaceae | *Cynanchum viminale* subsp. *australe* | None | Native |
| Apocynaceae | *Vincetoxicum flexuosum* | None | Native |
| Apocynaceae | *Vincetoxicum lineare* | None | Native |
| Araliaceae | *Astrotricha hamptonii* | None | Native |
| Araliaceae | *Trachymene oleracea* subsp. *oleracea* | None | Native |
| Araliaceae | *Trachymene pilbarensis* | None | Native |
| Asteraceae | *Apowollastonia hamersleyensis* | None | Native |
| Asteraceae | *Bidens bipinnata* | None | Introduced |
| Asteraceae | *Blumea* ?*tenella* | None | Native |
| Asteraceae | *Brachyscome iberidifolia* | None | Native |
| Asteraceae | *Calocephalus beardii* | None | Native |
| Asteraceae | *Calocephalus knappii* | None | Native |
| Asteraceae | *Calotis hispidula* | None | Native |
| Asteraceae | *Calotis plumulifera* | None | Native |
| Asteraceae | *Calotis porphyroglossa* | None | Native |
| Asteraceae | *Centipeda minima* subsp. *macrocephala* | None | Native |
| Asteraceae | *Cyanthillium gracile* | Priority 3 (DBCA) | Native |
| Asteraceae | *Cyanthillium* sp. | ?Priority 3 (DBCA) | Native |
| Asteraceae | *Flaveria trinervia* | None | Introduced |
| Asteraceae | *Gnephosis brevifolia* | None | Native |
| Asteraceae | *Ixiochlamys cuneifolia* | None | Native |
| Asteraceae | *Pentalepis trichodesmoides* subsp. *hispida* | Priority 2 (DBCA) | Native |
| Asteraceae | *Peripleura arida* | None | Native |
| Asteraceae | *Pluchea dentex* | None | Native |
| Asteraceae | *Pluchea rubelliflora* | None | Native |
| Asteraceae | *Pterocaulon serrulatum* var. *velutinum* | None | Native |
| Asteraceae | *Pterocaulon sphacelatum* | None | Native |
| Asteraceae | *Rhodanthe margarethae* | None | Native |
| Asteraceae | *Sigesbeckia orientalis* | None | Introduced |
| Asteraceae | *Sonchus oleraceus* | None | Introduced |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Asteraceae | *Streptoglossa bubakii* | None | Native |
| Asteraceae | *Streptoglossa decurrens* | None | Native |
| Boraginaceae | *Ehretia saligna* var. *saligna* | None | Native |
| Boraginaceae | *Euploca chrysocarpa* | None | Native |
| Boraginaceae | *Euploca ?cunninghamii* | None | Native |
| Boraginaceae | *Euploca heterantha* | None | Native |
| Boraginaceae | *Euploca inexplicita* | None | Native |
| Boraginaceae | *Euploca ovalifolia* | None | Native |
| Boraginaceae | *Euploca skeleton* | None | Native |
| Boraginaceae | *Euploca tenuifolia* | None | Native |
| Boraginaceae | *Heliotropium ammophilum* | None | Native |
| Boraginaceae | *Heliotropium crispatum* | None | Native |
| Boraginaceae | *Trichodesma zeylanicum* var. *zeylanicum* | None | Native |
| Brassicaceae | *Lepidium muelleri-ferdinandi* | None | Native |
| Brassicaceae | *Lepidium oxytrichum* | None | Native |
| Brassicaceae | *Lepidium pedicellosum* | None | Native |
| Brassicaceae | *Lepidium phlebopetalum* | None | Native |
| Brassicaceae | *Lepidium pholidogynum* | None | Native |
| Brassicaceae | *Lepidium platypetalum* | None | Native |
| Campanulaceae | *Lobelia arnhemiaca* | None | Native |
| Campanulaceae | *Lobelia heterophylla* subsp. *pilbarensis* | None | Native |
| Campanulaceae | *Wahlenbergia caryophylloides* | None | Native |
| Campanulaceae | *Wahlenbergia tumidifructa* | None | Native |
| Capparaceae | *Capparis lasiantha* | None | Native |
| Capparaceae | *Capparis spinosa* subsp. *nummularia* | None | Native |
| Caryophyllaceae | *Polycarpaea corymbosa* var. *corymbosa* | None | Native |
| Caryophyllaceae | *Polycarpaea holtzei* | None | Native |
| Caryophyllaceae | *Polycarpaea longiflora* | None | Native |
| Celastraceae | *Stackhousia intermedia* | None | Native |
| Celastraceae | *Stackhousia muricata* | None | Native |
| Celastraceae | *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | None | Native |
| Chenopodiaceae | *Atriplex codonocarpa* | None | Native |
| Chenopodiaceae | *Dysphania melanocarpa* f. *leucocarpa* | None | Native |
| Chenopodiaceae | *Dysphania melanocarpa* f. *melanocarpa* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Chenopodiaceae | *Dysphania rhadinostachya* subsp. *inflata* | None | Native |
| Chenopodiaceae | *Dysphania rhadinostachya* subsp. *rhadinostachya* | None | Native |
| Chenopodiaceae | *Dysphania sphaerosperma* | None | Native |
| Chenopodiaceae | *Enchylaena tomentosa* var. *tomentosa* | None | Native |
| Chenopodiaceae | *Maireana ?georgei* | None | Native |
| Chenopodiaceae | *Maireana melanocoma* | None | Native |
| Chenopodiaceae | *Maireana planifolia* | None | Native |
| Chenopodiaceae | *Maireana triptera* | None | Native |
| Chenopodiaceae | *Maireana villosa* | None | Native |
| Chenopodiaceae | *Rhagodia eremaea* | None | Native |
| Chenopodiaceae | *Salsola australis* | None | Native |
| Chenopodiaceae | *Sclerolaena costata* | None | Native |
| Chenopodiaceae | *Sclerolaena densiflora* | None | Native |
| Chenopodiaceae | *Sclerolaena diacantha* | None | Native |
| Chenopodiaceae | *Sclerolaena eriacantha* | None | Native |
| Chenopodiaceae | *Sclerolaena lanicuspis* | None | Native |
| Cleomaceae | *Arivela viscosa* | None | Native |
| Combretaceae | *Terminalia supranitifolia* | Priority 3 (DBCA) | Native |
| Commelinaceae | *Commelina ensifolia* | None | Native |
| Convolvulaceae | *Bonamia erecta* | None | Native |
| Convolvulaceae | *Bonamia pannosa* | None | Native |
| Convolvulaceae | *Bonamia pilbarensis* | None | Native |
| Convolvulaceae | *Bonamia rosea* | None | Native |
| Convolvulaceae | *Convolvulus clementii* | None | Native |
| Convolvulaceae | *Duperreya commixta* | None | Native |
| Convolvulaceae | *Evolvulus alsinoides* var. *decumbens* | None | Native |
| Convolvulaceae | *Evolvulus alsinoides* var. *villosicalyx* | None | Native |
| Convolvulaceae | *Ipomoea calobra* | None | Native |
| Convolvulaceae | *Ipomoea muelleri* | None | Native |
| Convolvulaceae | *Ipomoea polymorpha* | None | Native |
| Convolvulaceae | *Ipomoea racemigera* | Priority 3 (DBCA) | Native |
| Convolvulaceae | *Operculina aequisepala* | None | Native |
| Convolvulaceae | *Polymeria ambigua* | None | Native |
| Convolvulaceae | *Polymeria ?mollis* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Cucurbitaceae | *Citrullus ?colocynthis* | None | Native |
| Cucurbitaceae | *Cucumis melo* | None | Native |
| Cucurbitaceae | *Cucumis variabilis* | None | Native |
| Cucurbitaceae | *Trichosanthes cucumerina* var. *cucumerina* | None | Native |
| Cyperaceae | *Bulbostylis barbata* | None | Native |
| Cyperaceae | *Cyperus cunninghamii* subsp. *cunninghamii* | None | Native |
| Cyperaceae | *Cyperus dactylotes* | None | Native |
| Cyperaceae | *Cyperus difformis* | None | Native |
| Cyperaceae | *Cyperus hesperius* | None | Native |
| Cyperaceae | *Cyperus iria* | None | Native |
| Cyperaceae | *Cyperus leptocarpus* | None | Native |
| Cyperaceae | *Cyperus pulchellus* | None | Native |
| Cyperaceae | *Cyperus squarrosus* | None | Native |
| Cyperaceae | *Cyperus vaginatus* | None | Native |
| Cyperaceae | *Fimbristylis dichotoma* | None | Native |
| Cyperaceae | *Fimbristylis microcarya* | None | Native |
| Cyperaceae | *Fimbristylis sieberiana* | Priority 3 (DBCA) | Native |
| Cyperaceae | *Fimbristylis simulans* | None | Native |
| Cyperaceae | *Schoenoplectus subulatus* | None | Native |
| Dilleniaceae | *Hibbertia glaberrima* | None | Native |
| Droseraceae | *Drosera finlaysoniana* | None | Native |
| Elatinaceae | *Bergia pedicellaris* | None | Native |
| Euphorbiaceae | *Adriana tomentosa* var. *tomentosa* | None | Native |
| Euphorbiaceae | *Euphorbia australis* var. *subtomentosa* | None | Native |
| Euphorbiaceae | *Euphorbia biconvexa* | None | Native |
| Euphorbiaceae | *Euphorbia boophthona* | None | Native |
| Euphorbiaceae | *Euphorbia careyi* | None | Native |
| Euphorbiaceae | *Euphorbia coghlanii* | None | Native |
| Euphorbiaceae | *Euphorbia tannensis* subsp. *eremophila* | None | Native |
| Euphorbiaceae | *Euphorbia trigonosperma* | None | Native |
| Euphorbiaceae | *Euphorbia vaccaria* var. *vaccaria* | None | Native |
| Fabaceae | *Acacia adoxa* var. *adoxa* | None | Native |
| Fabaceae | *Acacia ampliceps* | None | Native |
| Fabaceae | *Acacia ancistrocarpa* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Fabaceae | *Acacia aneura* | None | Native |
| Fabaceae | *Acacia aptaneura* | None | Native |
| Fabaceae | *Acacia arida* | None | Native |
| Fabaceae | *Acacia atkinsiana* | None | Native |
| Fabaceae | *Acacia balsamea* | None | Native |
| Fabaceae | *Acacia bivenosa* | None | Native |
| Fabaceae | *Acacia catenulata* subsp. *occidentalis* | None | Native |
| Fabaceae | *Acacia citrinoviridis* | None | Native |
| Fabaceae | *Acacia coriacea* subsp. *pendens* | None | Native |
| Fabaceae | *Acacia glaucocaesia* | None | Native |
| Fabaceae | *Acacia hamersleyensis* | None | Native |
| Fabaceae | *Acacia inaequilatera* | None | Native |
| Fabaceae | *Acacia kempeana* | None | Native |
| Fabaceae | *Acacia maitlandii* | None | Native |
| Fabaceae | *Acacia marramamba* | None | Native |
| Fabaceae | *Acacia monticola* | None | Native |
| Fabaceae | *Acacia pruinocarpa* | None | Native |
| Fabaceae | *Acacia ptychophylla* | None | Native |
| Fabaceae | *Acacia pyrifolia* var. *morrisonii* | None | Native |
| Fabaceae | *Acacia pyrifolia* var. *pyrifolia* | None | Native |
| Fabaceae | *Acacia retivenea* subsp. *clandestina* | None | Native |
| Fabaceae | *Acacia sclerosperma* subsp. *sclerosperma* | None | Native |
| Fabaceae | *Acacia sericophylla* | None | Native |
| Fabaceae | *Acacia synchronicia* | None | Native |
| Fabaceae | *Acacia tetragonophylla* | None | Native |
| Fabaceae | *Acacia tumida* var. *pilbarensis* | None | Native |
| Fabaceae | *Acacia victoriae* | None | Native |
| Fabaceae | *Acacia wanyu* | None | Native |
| Fabaceae | *Acacia xiphophylla* | None | Native |
| Fabaceae | *Alysicarpus muelleri* | None | Native |
| Fabaceae | *Cajanus cinereus* | None | Native |
| Fabaceae | *Cajanus ?pubescens* | None | Native |
| Fabaceae | *Crotalaria medicaginea* var. *neglecta* | None | Native |
| Fabaceae | *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Fabaceae | *Cullen graveolens* | None | Native |
| Fabaceae | *Cullen leucochaites* | None | Native |
| Fabaceae | *Glycine canescens* | None | Native |
| Fabaceae | *Indigofera colutea* | None | Native |
| Fabaceae | *Indigofera fractiflexa* subsp. *fractiflexa* | None | Native |
| Fabaceae | *Indigofera linifolia* | None | Native |
| Fabaceae | *Indigofera monophylla* | None | Native |
| Fabaceae | *Indigofera rivularis* | Priority 3 (DBCA) | Native |
| Fabaceae | *Indigofera rugosa* | None | Native |
| Fabaceae | *Isotropis atropurpurea* | None | Native |
| Fabaceae | *Petalostylis labicheoides* | None | Native |
| Fabaceae | *Rhynchosia bungarensis* | Priority 4 (DBCA) | Native |
| Fabaceae | *Rhynchosia minima* | None | Native |
| Fabaceae | *Senna artemisioides* subsp. *helmsii* | None | Native |
| Fabaceae | *Senna artemisioides* subsp. *oligophylla* | None | Native |
| Fabaceae | *Senna artemisioides* subsp. *oligophylla* x *helmsii* | None | Native |
| Fabaceae | *Senna ferraria* | None | Native |
| Fabaceae | *Senna glutinosa* subsp. *glutinosa* | None | Native |
| Fabaceae | *Senna glutinosa* subsp. *pruinosa* | None | Native |
| Fabaceae | *Senna glutinosa* subsp. ×*luerssenii* | None | Native |
| Fabaceae | *Senna notabilis* | None | Native |
| Fabaceae | *Senna* sp. Meekatharra (E. Bailey 1-26) | None | Native |
| Fabaceae | *Senna stricta* | None | Native |
| Fabaceae | *Senna venusta* | None | Native |
| Fabaceae | *Sesbania cannabina* | None | Native |
| Fabaceae | *Sesbania formosa* | None | Native |
| Fabaceae | *Swainsona complanata* | None | Native |
| Fabaceae | *Swainsona forrestii* | None | Native |
| Fabaceae | *Swainsona kingii* | None | Native |
| Fabaceae | *Swainsona maccullochiana* | None | Native |
| Fabaceae | *Tephrosia clementii* | None | Native |
| Fabaceae | *Tephrosia densa* | None | Native |
| Fabaceae | *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | None | Native |
| Fabaceae | *Tephrosia* sp. Bungaroo Creek (M.E. Trudgen 11601) | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Fabaceae | *Tephrosia* sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | None | Native |
| Fabaceae | *Tephrosia supina* | None | Native |
| Fabaceae | *Tephrosia uniovulata* | None | Native |
| Fabaceae | *Vachellia farnesiana* | None | Introduced |
| Fabaceae | *Vigna lanceolata* var. *lanceolata* | None | Native |
| Goodeniaceae | *Dampiera candicans* | None | Native |
| Goodeniaceae | *Goodenia cusackiana* | None | Native |
| Goodeniaceae | *Goodenia forrestii* | None | Native |
| Goodeniaceae | *Goodenia lamprosperma* | None | Native |
| Goodeniaceae | *Goodenia microptera* | None | Native |
| Goodeniaceae | *Goodenia muelleriana* | None | Native |
| Goodeniaceae | *Goodenia nuda* | None | Native |
| Goodeniaceae | *Goodenia stobbsiana* | None | Native |
| Goodeniaceae | *Goodenia tenuiloba* | None | Native |
| Goodeniaceae | *Goodenia triodiophila* | None | Native |
| Goodeniaceae | *Scaevola acacioides* | None | Native |
| Goodeniaceae | *Scaevola amblyanthera* var. *amblyanthera* | None | Native |
| Goodeniaceae | *Scaevola spinescens* | None | Native |
| Gyrostemonaceae | *Codonocarpus cotinifolius* | None | Native |
| Haloragaceae | *Haloragis gossei var. gossei* | None | Native |
| Haloragaceae | *Haloragis trigonocarpa* | None | Native |
| Lamiaceae | *Clerodendrum floribundum* var. *angustifolium* | None | Native |
| Lamiaceae | *Clerodendrum tomentosum* var. *lanceolatum* | None | Native |
| Lamiaceae | *Prostanthera albiflora* | None | Native |
| Lamiaceae | *Teucrium ?teucriiflorum* | None | Native |
| Loranthaceae | *Amyema benthamii* | None | Native |
| Loranthaceae | *Amyema hilliana* | None | Native |
| Loranthaceae | *Amyema preissii* | None | Native |
| Lythraceae | *Ammannia baccifera* | None | Native |
| Lythraceae | *Ammannia multiflora* | None | Native |
| Lythraceae | *Rotala diandra* | None | Native |
| Malvaceae | *Abutilon amplum* | None | Native |
| Malvaceae | *Abutilon cryptopetalum* | None | Native |
| Malvaceae | *Abutilon cunninghamii* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Malvaceae | *Abutilon fraseri* subsp. *fraseri* | None | Native |
| Malvaceae | *Abutilon lepidum* | None | Native |
| Malvaceae | *Abutilon macrum* | None | Native |
| Malvaceae | *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | None | Native |
| Malvaceae | *Abutilon* sp. Pilbara (W.R. Barker 2025) | None | Native |
| Malvaceae | *Androcalva luteiflora* | None | Native |
| Malvaceae | *Brachychiton acuminatus* | None | Native |
| Malvaceae | *Brachychiton gregorii* | None | Native |
| Malvaceae | *Corchorus crozophorifolius* | None | Native |
| Malvaceae | *Corchorus laniflorus* | None | Native |
| Malvaceae | *Corchorus lasiocarpus* subsp. *lasiocarpus* | None | Native |
| Malvaceae | *Corchorus lasiocarpus* subsp. *parvus* | None | Native |
| Malvaceae | *Corchorus tectus* | None | Native |
| Malvaceae | *Corchorus tridens* | None | Native |
| Malvaceae | *Gossypium australe* | None | Native |
| Malvaceae | *Gossypium robinsonii* | None | Native |
| Malvaceae | *Hibiscus burtonii* | None | Native |
| Malvaceae | *Hibiscus coatesii* | None | Native |
| Malvaceae | *Hibiscus goldsworthii* | None | Native |
| Malvaceae | *Hibiscus leptocladus* | None | Native |
| Malvaceae | *Hibiscus* sp. Gardneri (A.L. Payne PRP 1435) | None | Native |
| Malvaceae | *Hibiscus sturtii* var. *campylochlamys* | None | Native |
| Malvaceae | *Malvastrum americanum* | None | Introduced |
| Malvaceae | *Melhania oblongifolia* | None | Native |
| Malvaceae | *Seringia exastia* | None | Native |
| Malvaceae | *Seringia nephrosperma* | None | Native |
| Malvaceae | *Sida* ?*arenicola* | None | Native |
| Malvaceae | *Sida arsiniata* | None | Native |
| Malvaceae | *Sida echinocarpa* | None | Native |
| Malvaceae | *Sida fibulifera* | None | Native |
| Malvaceae | *Sida rohlenae subsp. rohlenae* | None | Native |
| Malvaceae | *Sida* ?sp. Articulation below (A.A. Mitchell PRP 1605) | None | Native |
| Malvaceae | *Sida* sp. dark green fruits (S. van Leeuwen 2260) | None | Native |
| Malvaceae | *Sida* sp. Hamersley Range (K. Newbey 10692) | Priority 3 (DBCA) | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Malvaceae | *Sida* sp. L (A.M. Ashby 4202) | None | Native |
| Malvaceae | *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | None | Native |
| Malvaceae | *Sida* sp. Shovelanna Hill (S. van Leeuwen 3842) | None | Native |
| Malvaceae | *Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90) | None | Native |
| Malvaceae | *Sida spinosa* | None | Native |
| Malvaceae | *Triumfetta ?appendiculata* | None | Native |
| Malvaceae | *Triumfetta chaetocarpa* | None | Native |
| Malvaceae | *Triumfetta clementii* | None | Native |
| Malvaceae | *Triumfetta maconochieana* | None | Native |
| Malvaceae | *Triumfetta propinqua* | None | Native |
| Malvaceae | *Waltheria indica* | None | Native |
| Menispermaceae | *Tinospora smilacina* | None | Native |
| Molluginaceae | *Trigastrotheca molluginea* | None | Native |
| Montiaceae | *Calandrinia ptychosperma* | None | Native |
| Montiaceae | *Calandrinia schistorhiza* | None | Native |
| Moraceae | *Ficus aculeata* var. *indecora* | None | Native |
| Moraceae | *Ficus brachypoda* | None | Native |
| Moraceae | *Ficus platypoda* | None | Native |
| Moraceae | *Ficus virens* | None | Native |
| Myrtaceae | *Corymbia ferriticola* | None | Native |
| Myrtaceae | *Corymbia hamersleyana* | None | Native |
| Myrtaceae | *Eucalyptus camaldulensis* subsp. *refulgens* | None | Native |
| Myrtaceae | *Eucalyptus gamophylla* | None | Native |
| Myrtaceae | *Eucalyptus leucophloia* subsp. *leucophloia* | None | Native |
| Myrtaceae | *Eucalyptus socialis* subsp. *eucentrica* | None | Native |
| Myrtaceae | *Eucalyptus trivalva* | None | Native |
| Myrtaceae | *Eucalyptus victrix* | None | Native |
| Myrtaceae | *Eucalyptus xerothermica* | None | Native |
| Myrtaceae | *Melaleuca argentea* | None | Native |
| Myrtaceae | *Melaleuca bracteata* | None | Native |
| Myrtaceae | *Melaleuca eleuterostachya* | None | Native |
| Myrtaceae | *Melaleuca glomerata* | None | Native |
| Myrtaceae | *Melaleuca linophylla* | None | Native |
| Nyctaginaceae | *Boerhavia burbidgeana* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Nyctaginaceae | *Boerhavia coccinea* | None | Native |
| Nyctaginaceae | *Boerhavia gardneri* | None | Native |
| Oleaceae | *Jasminum didymum* subsp. *lineare* | None | Native |
| Orobanchaceae | *Striga curviflora* | None | Native |
| Papaveraceae | *Argemone ochroleuca* subsp. *ochroleuca* | None | Introduced |
| Passifloraceae | *Passiflora foetida* var. *hispida* | None | Introduced |
| Phrymaceae | *Mimulus gracilis* | None | Native |
| Phyllanthaceae | *Dendrophyllanthus erwinii* | None | Native |
| Phyllanthaceae | *Flueggea virosa* subsp. *melanthesoides* | None | Native |
| Phyllanthaceae | *Kirganelia baccata* | None | Native |
| Phyllanthaceae | *Nellica maderaspatensis* | None | Native |
| Phyllanthaceae | *Notoleptopus decaisnei* var. *decaisnei* | None | Native |
| Plantaginaceae | *Stemodia grossa* | None | Native |
| Poaceae | *Amphipogon sericeus* | None | Native |
| Poaceae | *Aristida burbidgeae* | None | Native |
| Poaceae | *Aristida contorta* | None | Native |
| Poaceae | *Aristida holathera* var. *holathera* | None | Native |
| Poaceae | *Cenchrus ciliaris* | None | Introduced |
| Poaceae | *Cenchrus setiger* | None | Introduced |
| Poaceae | *Chloris pectinata* | None | Native |
| Poaceae | *Chrysopogon fallax* | None | Native |
| Poaceae | *Cymbopogon ambiguus* | None | Native |
| Poaceae | *Cynodon convergens* | None | Native |
| Poaceae | *Cynodon dactylon* | None | Introduced |
| Poaceae | *Cynodon prostratus* | None | Native |
| Poaceae | *Dactyloctenium radulans* | None | Native |
| Poaceae | *Dichanthium fecundum* | None | Native |
| Poaceae | *Digitaria brownii* | None | Native |
| Poaceae | *Digitaria ctenantha* | None | Native |
| Poaceae | *Echinochloa colona* | None | Introduced |
| Poaceae | *Enneapogon caerulescens* | None | Native |
| Poaceae | *Enneapogon lindleyanus* | None | Native |
| Poaceae | *Enneapogon pallidus* | None | Native |
| Poaceae | *Enneapogon polyphyllus* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Poaceae | *Enneapogon robustissimus* | None | Native |
| Poaceae | *Enteropogon ramosus* | None | Native |
| Poaceae | *Eragrostis cumingii* | None | Native |
| Poaceae | *Eragrostis dielsii* | None | Native |
| Poaceae | *Eragrostis eriopoda* | None | Native |
| Poaceae | *Eragrostis tenellula* | None | Native |
| Poaceae | *Eriachne benthamii* | None | Native |
| Poaceae | *Eriachne ciliata* | None | Native |
| Poaceae | *Eriachne melicacea* | None | Native |
| Poaceae | *Eriachne mucronata* | None | Native |
| Poaceae | *Eriachne obtusa* | None | Native |
| Poaceae | *Eriachne pulchella* subsp. *dominii* | None | Native |
| Poaceae | *Eriachne pulchella* subsp. *pulchella* | None | Native |
| Poaceae | *Eriachne tenuiculmis* | None | Native |
| Poaceae | *Eulalia aurea* | None | Native |
| Poaceae | *Iseilema vaginiflorum* | None | Native |
| Poaceae | *Neurachne muelleri* | None | Native |
| Poaceae | *Paspalidium basicladum* | None | Native |
| Poaceae | *Paspalidium clementii* | None | Native |
| Poaceae | *Paspalidium rarum* | None | Native |
| Poaceae | *Paspalidium tabulatum* | None | Native |
| Poaceae | *Perotis rara* | None | Native |
| Poaceae | *Schizachyrium fragile* | None | Native |
| Poaceae | *Setaria verticillata* | None | Introduced |
| Poaceae | *Sporobolus australasicus* | None | Native |
| Poaceae | *Themeda* sp. Mt Barricade (M.E. Trudgen 2471) | None | Native |
| Poaceae | *Themeda triandra* | None | Native |
| Poaceae | *Tragus australianus* | None | Native |
| Poaceae | *Triodia angusta* | None | Native |
| Poaceae | *Triodia epactia* | None | Native |
| Poaceae | *Triodia longiceps* | None | Native |
| Poaceae | *Triodia pisoliticola* | Priority 3 (DBCA) | Native |
| Poaceae | *Triodia schinzii* | None | Native |
| Poaceae | *Triodia wiseana* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Poaceae | *Triraphis mollis* | None | Native |
| Polygalaceae | *Polygala glaucifolia* | None | Native |
| Polygalaceae | *Polygala isingii* | None | Native |
| Polygonaceae | *Rumex vesicarius* | None | Introduced |
| Portulacaceae | *Portulaca cyclophylla* | None | Native |
| Portulacaceae | *Portulaca oleracea* | None | Native |
| Proteaceae | *Grevillea berryana* | None | Native |
| Proteaceae | *Grevillea pyramidalis* subsp. *leucadendron* | None | Native |
| Proteaceae | *Grevillea stenobotrya* | None | Native |
| Proteaceae | *Grevillea striata* | None | Native |
| Proteaceae | *Grevillea wickhamii* subsp. *hispidula* | None | Native |
| Proteaceae | *Hakea chordophylla* | None | Native |
| Proteaceae | *Hakea lorea subsp. lorea* | None | Native |
| Pteridaceae | *Cheilanthes austrotenuifolia* | None | Native |
| Pteridaceae | *Cheilanthes brownii* | None | Native |
| Pteridaceae | *Cheilanthes contigua* | None | Native |
| Pteridaceae | *Cheilanthes lasiophylla* | None | Native |
| Pteridaceae | *Cheilanthes sieberi* subsp. *sieberi* | None | Native |
| Pteridaceae | Pteridaceae sp. | None | Native |
| Rubiaceae | *Dolichocarpa crouchiana* | None | Native |
| Rubiaceae | *Psydrax latifolia* | None | Native |
| Rubiaceae | *Psydrax suaveolens* | None | Native |
| Rubiaceae | *Scleromitrion galioides* | None | Native |
| Rubiaceae | *Synaptantha tillaeacea* var. *tillaeacea* | None | Native |
| Santalaceae | *Amyema ?sanguinea* | None | Native |
| Santalaceae | *Santalum lanceolatum* | None | Native |
| Sapindaceae | *Alectryon oleifolius* | None | Native |
| Sapindaceae | *Atalaya hemiglauca* | None | Native |
| Sapindaceae | *Diplopeltis stuartii* var. *stuartii* | None | Native |
| Sapindaceae | *Dodonaea coriacea* | None | Native |
| Sapindaceae | *Dodonaea lanceolata* var. *lanceolata* | None | Native |
| Sapindaceae | *Dodonaea pachyneura* | None | Native |
| Sapindaceae | *Dodonaea petiolaris* | None | Native |
| Sapindaceae | *Dodonaea viscosa* | None | Native |

| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Scrophulariaceae | *Eremophila cryptothrix* | None | Native |
| Scrophulariaceae | *Eremophila cuneifolia* | None | Native |
| Scrophulariaceae | *Eremophila exilifolia* | None | Native |
| Scrophulariaceae | *Eremophila forrestii* subsp. *forrestii* | None | Native |
| Scrophulariaceae | *Eremophila fraseri* subsp. *fraseri* | None | Native |
| Scrophulariaceae | *Eremophila lanceolata* | None | Native |
| Scrophulariaceae | *Eremophila latrobei* subsp. *filiformis* | None | Native |
| Scrophulariaceae | *Eremophila latrobei* subsp. *glabra* | None | Native |
| Scrophulariaceae | *Eremophila latrobei* subsp. *latrobei* | None | Native |
| Scrophulariaceae | *Eremophila longifolia* | None | Native |
| Scrophulariaceae | *Eremophila magnifica* subsp. *magnifica* | Priority 4 (DBCA) | Native |
| Scrophulariaceae | *Eremophila phyllopoda* subsp. *obliqua* | None | Native |
| Scrophulariaceae | *Eremophila* sp. (coll. code KH27) | None | Native |
| Scrophulariaceae | *Eremophila tietkensii* | None | Native |
| Solanaceae | *Datura leichhardtii* subsp. *leichhardtii* | None | Introduced |
| Solanaceae | *Nicotiana bilybara* | None | Native |
| Solanaceae | *Nicotiana obliqua* | None | Native |
| Solanaceae | *Nicotiana occidentalis* | None | Native |
| Solanaceae | *Solanum ashbyae* | None | Native |
| Solanaceae | *Solanum cleistogamum* | None | Native |
| Solanaceae | *Solanum diversiflorum* | None | Native |
| Solanaceae | *Solanum elatius* | None | Native |
| Solanaceae | *Solanum gabrielae* | None | Native |
| Solanaceae | *Solanum horridum* | None | Native |
| Solanaceae | *Solanum lasiophyllum* | None | Native |
| Solanaceae | *Solanum phlomoides* | None | Native |
| Solanaceae | *Solanum ?pycnotrichum* | Priority 2 (DBCA) | Native |
| Solanaceae | *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Priority 3 (DBCA) | Native |
| Solanaceae | *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | Priority 1 (DBCA) | Native |
| Stylidiaceae | *Stylidium fluminense* | None | Native |
| Surianaceae | *Stylobasium spathulatum* | None | Native |
| Typhaceae | *Typha domingensis* | None | Native |
| Violaceae | *Afrohybanthus aurantiacus* | None | Native |
| Zygophyllaceae | *Roepera eichleri* | None | Native |

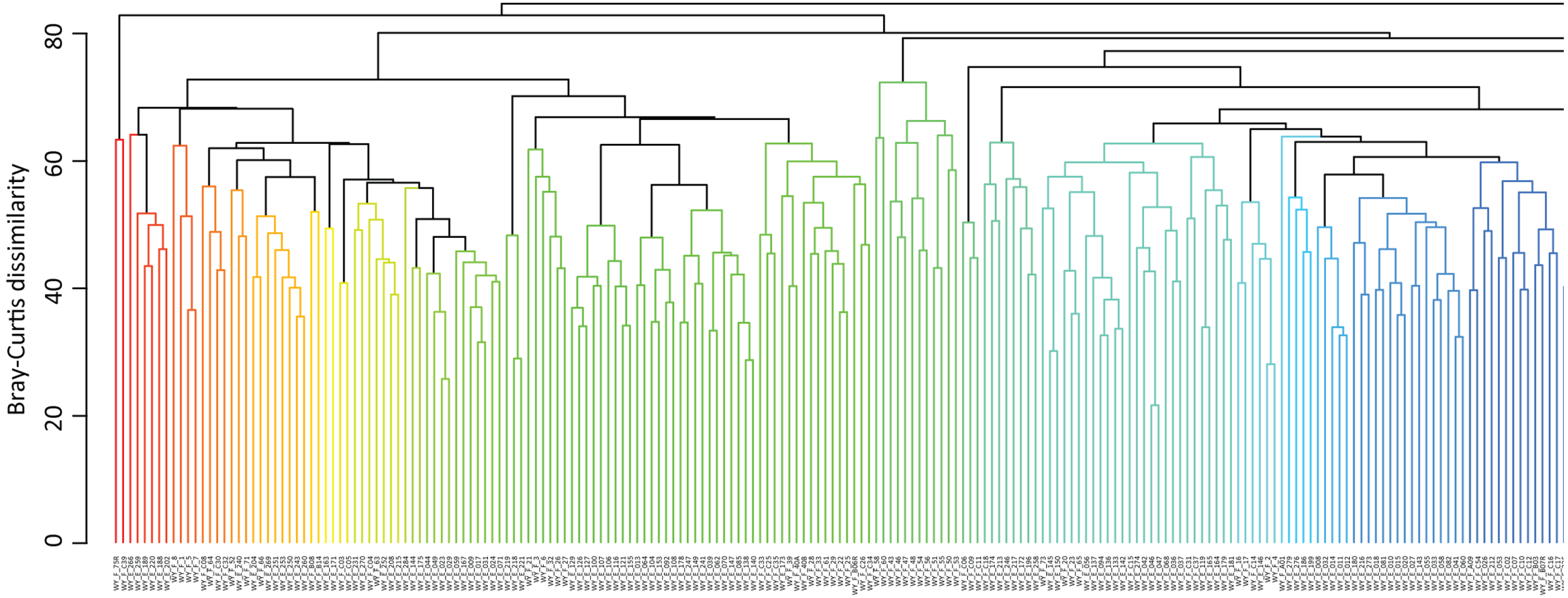
| Family | Species | WAStatus | Naturalised status |
|---|---|---|---|
| Zygophyllaceae | *Tribulus astrocarpus* | None | Native |
| Zygophyllaceae | *Tribulus hirsutus* | None | Native |
| Zygophyllaceae | *Tribulus macrocarpus* | None | Native |
| Zygophyllaceae | *Tribulus occidentalis* | None | Native |
| Zygophyllaceae | *Tribulus platypterus* | None | Native |
| Zygophyllaceae | *Tribulus suberosus* | None | Native |
| Zygophyllaceae | *Tribulus terrestris* | None | Introduced |

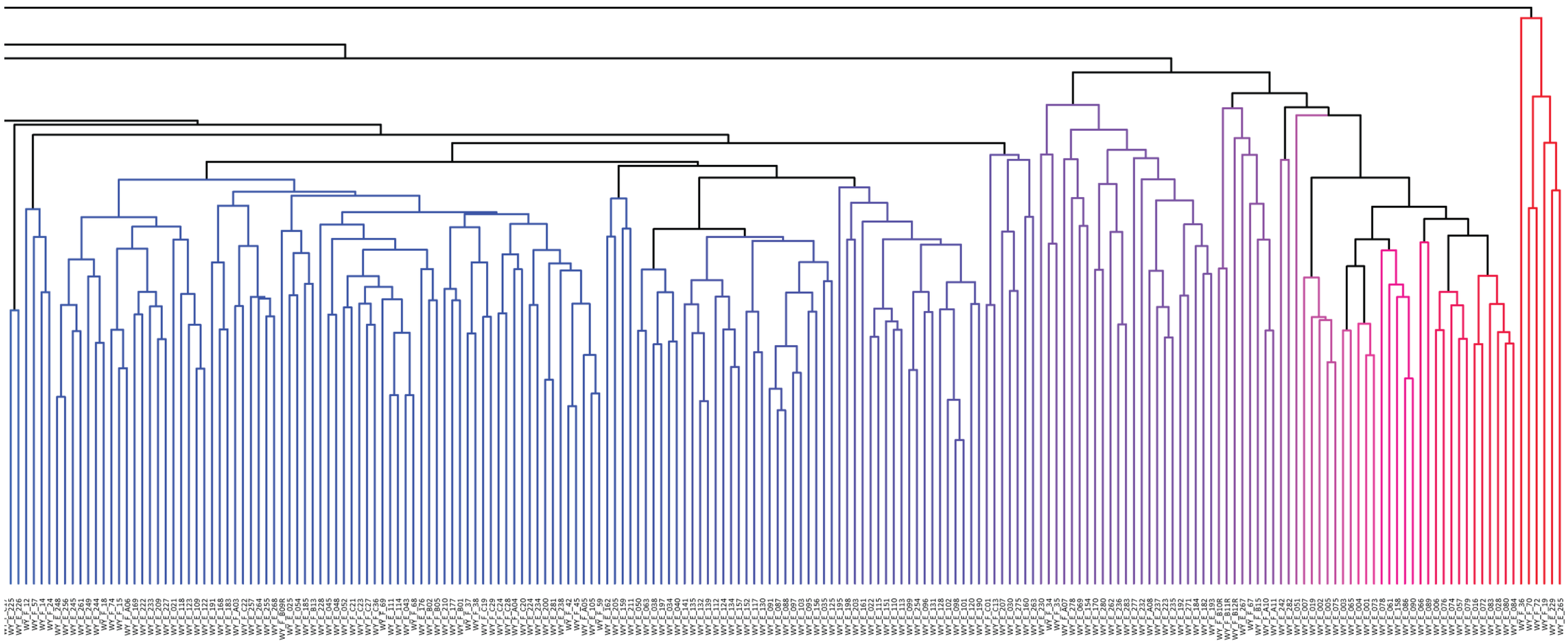
**Names amalgamated for vegetation classification.**

| Analysis name | Included taxa | Justification for amalgamation |
|---|---|---|
| *Acacia pyrifolia* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Clerodendrum floribundum* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Clerodendrum tomentosum* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Corchorus lasiocarpus* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Eremophila latrobei* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Eriachne pulchella* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Evolvulus alsinoides* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Hibiscus sturtii* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Senna glutinosa* | Includes all infraspecific taxa | Infraspecific taxon could not always be adequately determined. |
| *Abutilon cunninghamii/fraseri* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Acacia aneura/aptaneura* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Acacia synchronicia/victoriae* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Amaranthus cuspidifolius/undulatus* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Bonamia erecta/rosea* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Cajanus cinereus/pubescens* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Cenchrus ciliaris/setiger* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Cyanthillium gracile/Cyanthillium* sp. | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Dodonaea pachyneura/viscosa* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Euphorbia australis/vaccaria* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Euphorbia boophthona/tannensis* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Euphorbia coghlanii/biconvexa/trigonosperma* | See analysis name | Includes records that could not be adequately identified to either taxon. |

| Analysis name | Included taxa | Justification for amalgamation |
|---|---|---|
| *Euploca cunninghamii/tenuifolia* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Hakea lorea/chordophylla* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Haloragis gossei/trigonocarpa* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Maireana georgei/melanocoma/triptera* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Maireana planifolia/villosa* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Nicotiana obliqua/occidentalis* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Senna artemisioides/ferraria* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Seringia exastia/nephrosperma* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Sida arsiniata/echinocarpa* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Sida rohlenae/spinosa* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Solanum cleistogamum/horridum* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Solanum lasiophyllum/phlomoides* | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Themeda triandra/*Mt Barricade | See analysis name | Includes records that could not be adequately identified to either taxon. |
| *Triumfetta appendiculata/chaetocarpa/propinqua* | See analysis name | Includes records that could not be adequately identified to either taxon. |

## Appendix C UPGMA hierarchical agglomerative clustering dendrogram.


Bray-Curtis dissimilarity
0
20
40
60
80


WY_E_215
WY_E_226
WY_F_12
WY_F_57
WY_F_14
WY_E_24
WY_E_248
WY_E_256
WY_E_245
WY_E_261
WY_E_249
WY_E_244
WY_F_18
WY_F_74
WY_F_15
WY_E_86
WY_E_269
WY_E_222
WY_E_233
WY_E_209
WY_E_227
WY_E_201
WY_E_118
WY_E_123
WY_E_109
WY_E_172
WY_E_181
WY_E_168
WY_E_183
WY_F_A03
WY_F_C22
WY_E_257
WY_E_264
WY_E_255
WY_E_268
WY_F_B08R
WY_E_065
WY_E_064
WY_E_185
WY_F_B13
WY_E_228
WY_E_045
WY_E_048
WY_E_052
WY_F_C21
WY_F_C23
WY_F_C27
WY_F_C26
WY_E_269
WY_E_111
WY_E_114
WY_E_043
WY_E_068
WY_E_176
WY_F_B02
WY_F_B05
WY_E_210
WY_E_207
WY_E_201
WY_F_37
WY_F_38
WY_F_C19
WY_F_C29
WY_F_C24
WY_F_C24
WY_F_A04
WY_F_C20
WY_E_224
WY_E_224
WY_E_200
WY_E_281
WY_E_238
WY_F_42
WY_F_45
WY_F_A05
WY_E_105
WY_F_59
WY_E_162
WY_E_205
WY_E_159
WY_E_211
WY_E_050
WY_E_063
WY_E_038
WY_E_037
WY_E_034
WY_E_040
WY_E_141
WY_E_135
WY_E_133
WY_E_112
WY_E_124
WY_E_134
WY_E_157
WY_E_152
WY_E_117
WY_E_130
WY_E_091
WY_E_087
WY_E_088
WY_E_097
WY_E_103
WY_E_095
WY_E_156
WY_E_155
WY_E_195
WY_E_198
WY_E_203
WY_E_161
WY_E_102
WY_E_115
WY_E_151
WY_E_110
WY_E_113
WY_E_109
WY_E_254
WY_E_096
WY_E_131
WY_E_128
WY_E_202
WY_E_008
WY_E_101
WY_E_120
WY_E_190
WY_F_C01
WY_E_213
WY_E_207
WY_E_030
WY_E_275
WY_E_160
WY_E_163
WY_E_230
WY_F_34
WY_F_35
WY_F_A07
WY_E_278
WY_E_269
WY_E_154
WY_E_170
WY_E_280
WY_E_282
WY_E_256
WY_E_283
WY_E_277
WY_E_232
WY_F_A08
WY_E_227
WY_E_223
WY_E_235
WY_E_192
WY_E_271
WY_E_184
WY_E_182
WY_E_193
WY_F_B10R
WY_F_B11R
WY_F_B12R
WY_E_267
WY_F_67
WY_F_B15
WY_F_A10
WY_F_A11
WY_F_A12
WY_E_282
WY_E_051
WY_E_007
WY_E_019
WY_E_002
WY_E_005
WY_E_075
WY_E_003
WY_E_065
WY_E_004
WY_E_001
WY_E_073
WY_E_078
WY_E_061
WY_E_188
WY_E_186
WY_E_090
WY_E_066
WY_E_089
WY_E_006
WY_E_076
WY_E_074
WY_E_057
WY_E_079
WY_E_016
WY_E_062
WY_E_063
WY_E_028
WY_E_080
WY_E_084
WY_E_036
WY_E_070
WY_F_72
WY_F_19
WY_E_229
WY_E_265

## Appendix D Species constancy within vegetation types.

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acanthaceae | *Dicladanthera forrestii* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Acanthaceae | *Dipteracanthus australasicus* subsp. *australasicus* | – | – | 0.12 (3) | – | – | – | – | – | 0.09 (1.5) | – | – | – |
| Acanthaceae | *Rostellularia adscendens* var. *clementii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Aizoaceae | *Trianthema oxycalyptrum* var. *oxycalyptrum* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | – |
| Aizoaceae | *Trianthema pilosum* | – | – | 0.12 (1.5) | – | – | 0.2 (4.3) | – | – | – | – | – | – |
| Aizoaceae | *Trianthema triquetrum* | 0.15 (1.5) | 0.5 (1.5) | 0.12 (1.5) | – | – | 0.8 (2.2) | – | 0.08 (1.5) | 0.09 (1.5) | 0.9 (1.5) | – | – |
| Aizoaceae | *Trianthema turgidifolium* | – | – | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Aizoaceae | *Zaleya galericulata* subsp. *galericulata* | – | 0.17 (1.5) | 0.12 (1.5) | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Amaranthaceae | *Achyranthes aspera* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Aerva javanica* | 0.31 (1.5) | – | 0.25 (1.5) | 0.03 (1.5) | – | – | – | – | 0.04 (1.5) | – | – | – |
| Amaranthaceae | *Alternanthera nana* | – | 0.17 (1.5) | 0.62 (1.5) | – | 0.5 (1.5) | – | – | – | 0.04 (1.5) | – | 0.33 (1.5) | – |
| Amaranthaceae | *Alternanthera nodiflora* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Amaranthus cuspidifolius* | 0.15 (1.5) | – | 0.5 (1.5) | 0.12 (1.5) | 0.5 (1.5) | 1 (1.5) | – | 0.17 (1.5) | 0.09 (1.5) | 0.4 (1.5) | 0.17 (1.5) | 0.62 (1.5) |
| Amaranthaceae | *Amaranthus undulatus* | – | – | 0.12 (1.5) | 0.05 (1.5) | 0.5 (1.5) | – | – | – | – | – | 0.67 (1.5) | 0.12 (1.5) |
| Amaranthaceae | *Gomphrena affinis* subsp. *pilbarensis* | – | – | – | 0.03 (1.5) | – | – | – | – | – | 0.2 (1.5) | – | – |
| Amaranthaceae | *Gomphrena canescens* subsp. *canescens* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Gomphrena cunninghamii* | 0.31 (1.5) | 0.17 (1.5) | 0.38 (1.5) | 0.25 (1.78) | – | 0.6 (1.5) | 1 (1.5) | 0.17 (1.5) | 0.09 (1.5) | 0.3 (1.5) | 0.67 (1.5) | 0.88 (1.5) |
| Amaranthaceae | *Gomphrena kanisii* | – | – | – | – | – | – | – | 0.08 (1.5) | – | – | – | – |
| Amaranthaceae | *Ptilotus aervoides* | 1 (1.5) | – | – | 0.17 (1.5) | – | 0.8 (1.5) | – | – | 0.04 (1.5) | 1 (2.55) | – | – |
| Amaranthaceae | *Ptilotus appendiculatus* | – | – | – | – | – | 0.4 (1.5) | – | – | – | – | – | – |
| Amaranthaceae | *Ptilotus astrolasius* | 0.54 (1.5) | 0.5 (1.5) | 0.12 (1.5) | 0.07 (1.5) | – | 1 (1.5) | – | 0.75 (1.5) | 0.17 (1.5) | 0.7 (1.9) | 0.17 (1.5) | – |
| Amaranthaceae | *Ptilotus auriculifolius* | 1 (1.93) | – | 0.38 (1.5) | 0.55 (1.95) | – | 1 (2.62) | – | 0.33 (1.5) | 0.09 (1.5) | 1 (2.55) | 0.33 (1.5) | 0.06 (1.5) |
| Amaranthaceae | *Ptilotus axillaris* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Ptilotus calostachyus* | 0.31 (1.5) | 0.17 (1.5) | 0.5 (1.5) | 0.25 (1.5) | – | – | 1 (1.5) | 0.08 (1.5) | 0.26 (1.5) | 0.2 (1.5) | – | 0.06 (1.5) |
| Amaranthaceae | *Ptilotus clementii* | 0.31 (1.5) | – | 0.25 (1.5) | 0.1 (1.5) | – | 0.4 (1.5) | – | – | 0.04 (1.5) | 0.2 (1.5) | – | 0.06 (1.5) |
| Amaranthaceae | *Ptilotus exaltatus* | 1 (1.93) | 0.5 (1.5) | 1 (1.5) | 0.42 (1.66) | 1 (1.5) | 1 (3.74) | 1 (1.5) | – | 0.65 (1.69) | 1 (3.39) | – | 0.12 (1.5) |
| Amaranthaceae | *Ptilotus fusiformis* | 0.46 (1.5) | – | 0.12 (1.5) | 0.25 (1.5) | – | – | 1 (1.5) | – | – | 0.5 (1.5) | 0.17 (1.5) | 0.12 (1.5) |
| Amaranthaceae | *Ptilotus helipteroides* | 0.62 (1.5) | – | 0.12 (4.3) | 0.12 (3.04) | 0.5 (1.5) | 0.8 (1.5) | 1 (1.5) | – | – | 0.7 (1.5) | – | – |
| Amaranthaceae | *Ptilotus incanus* | – | – | 0.12 (1.5) | – | – | – | – | – | – | 0.1 (1.5) | – | 0.06 (1.5) |
| Amaranthaceae | *Ptilotus mollis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Ptilotus obovatus* var. *obovatus* | 0.15 (1.5) | 0.83 (3.74) | 0.25 (2.9) | 0.1 (2.58) | 1 (1.5) | 0.2 (1.5) | – | 0.67 (1.5) | 0.39 (2.36) | – | – | 0.5 (1.85) |
| Amaranthaceae | *Ptilotus polystachyus* | – | – | – | – | 0.5 (1.5) | 0.4 (1.5) | – | 0.17 (1.5) | – | – | – | – |
| Amaranthaceae | *Ptilotus rotundifolius* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Ptilotus schwartzii* var. *schwartzii* | – | – | – | – | – | – | – | – | 0.3 (1.9) | – | – | – |
| Amaranthaceae | *Ptilotus xerophilus* | 0.15 (1.5) | – | – | 0.03 (1.5) | 0.5 (1.5) | 0.6 (1.5) | – | – | – | 0.3 (1.5) | – | – |
| Apocynaceae | *Cynanchum floribundum* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Apocynaceae | *Cynanchum viminale* subsp. *australe* | – | – | – | – | – | – | – | – | 0.35 (2.55) | – | 0.17 (1.5) | 0.12 (1.5) |
| Apocynaceae | *Vincetoxicum flexuosum* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Apocynaceae | *Vincetoxicum lineare* | 0.08 (1.5) | – | – | – | 1 (1.5) | – | 1 (1.5) | 0.08 (1.5) | 0.04 (1.5) | 0.1 (1.5) | – | – |
| Araliaceae | *Astrotricha hamptonii* | – | – | – | – | – | – | – | – | – | – | 0.83 (1.5) | 0.69 (1.5) |
| Araliaceae | *Trachymene oleracea* subsp. *oleracea* | 0.77 (1.5) | 0.17 (1.5) | 0.12 (1.5) | 0.6 (1.62) | 0.5 (1.5) | 0.4 (1.5) | 1 (1.5) | 0.08 (1.5) | 0.17 (2.9) | 0.4 (2.2) | 0.83 (1.5) | 0.69 (1.5) |
| Araliaceae | *Trachymene pilbarensis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Asteraceae | *Apowollastonia hamersleyensis* | – | 0.17 (16.4) | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Asteraceae | *Bidens bipinnata* | – | – | – | 0.03 (1.5) | 0.5 (4.3) | – | 1 (1.5) | – | – | – | – | 0.19 (1.5) |
| Asteraceae | *Blumea ?tenella* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Asteraceae | *Brachyscome iberidifolia* | – | – | – | 0.03 (1.5) | – | – | – | – | 0.04 (4.3) | – | – | – |
| Asteraceae | *Calocephalus beardii* | – | – | 0.12 (1.5) | 0.07 (1.5) | 0.5 (1.5) | – | – | – | – | 0.1 (1.5) | – | – |
| Asteraceae | *Calocephalus knappii* | – | 0.33 (1.5) | 0.12 (1.5) | 0.05 (1.5) | – | – | – | – | – | – | – | – |
| Asteraceae | *Calotis hispidula* | – | 0.33 (1.5) | – | – | 0.5 (1.5) | – | – | – | – | – | – | – |
| Asteraceae | *Calotis plumulifera* | – | – | – | 0.05 (1.5) | – | – | – | – | – | – | – | – |
| Asteraceae | *Calotis porphyroglossa* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | – |
| Asteraceae | *Centipeda minima* subsp. *macrocephala* | – | – | – | – | – | – | – | – | – | – | 0.33 (1.5) | 0.06 (1.5) |
| Asteraceae | *Cyanthillium gracile/Cyanthillium* sp. | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | 0.12 (1.5) |
| Asteraceae | *Flaveria trinervia* | – | – | 0.12 (1.5) | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Asteraceae | *Gnephosis brevifolia* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | – |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Asteraceae | *Ixiochlamys cuneifolia* | – | – | – | 0.1 (1.5) | – | – | – | – | – | – | – | – |
| Asteraceae | *Pentalepis trichodesmoides* subsp. *hispida* | – | – | – | 0.2 (2.2) | – | 0.2 (1.5) | – | – | 0.04 (1.5) | – | – | – |
| Asteraceae | *Pluchea dentex* | – | – | – | – | – | – | – | – | – | – | 0.67 (2.2) | 0.44 (1.5) |
| Asteraceae | *Pluchea rubelliflora* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Asteraceae | *Pterocaulon serrulatum* var. *velutinum* | 0.08 (1.5) | – | 0.25 (1.5) | 0.12 (1.5) | – | – | – | 0.33 (1.5) | – | – | – | 0.25 (1.5) |
| Asteraceae | *Pterocaulon sphacelatum* | 0.54 (1.5) | – | 0.25 (1.5) | 0.2 (1.5) | 0.5 (1.5) | 1 (1.5) | – | – | 0.09 (1.5) | 0.1 (1.5) | 0.83 (1.5) | 0.19 (1.5) |
| Asteraceae | *Rhodanthe margarethae* | – | – | – | – | – | – | – | – | – | – | 0.33 (1.5) | 0.19 (6.47) |
| Asteraceae | *Sigesbeckia orientalis* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Asteraceae | *Sonchus oleraceus* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Asteraceae | *Streptoglossa bubakii* | 0.38 (1.5) | – | – | 0.05 (1.5) | – | 0.4 (1.5) | 1 (1.5) | – | – | 0.1 (1.5) | – | – |
| Asteraceae | *Streptoglossa decurrens* | 0.15 (1.5) | – | – | 0.07 (1.5) | – | – | – | – | – | 0.2 (1.5) | – | 0.06 (1.5) |
| Boraginaceae | *Ehretia saligna* | – | – | – | – | – | – | – | – | – | – | – | – |
| Boraginaceae | *Euploca ?cunninghamii* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Boraginaceae | *Euploca chrysocarpa* | 0.08 (1.5) | – | – | – | – | – | – | – | – | – | – | – |
| Boraginaceae | *Euploca heterantha* | 0.08 (1.5) | – | – | 0.03 (1.5) | – | – | – | – | – | 0.4 (1.5) | – | – |
| Boraginaceae | *Euploca inexplicita* | – | – | – | 0.03 (1.5) | – | 0.2 (1.5) | – | – | – | – | – | – |
| Boraginaceae | *Euploca ovalifolia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Boraginaceae | *Euploca skeleton* | – | – | – | – | – | – | – | – | – | – | – | – |
| Boraginaceae | *Euploca tenuifolia* | – | – | – | 0.03 (1.5) | – | – | – | 0.08 (1.5) | – | – | – | – |
| Boraginaceae | *Heliotropium ammophilum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Boraginaceae | *Heliotropium crispatum* | 0.38 (2.06) | – | – | 0.12 (1.5) | – | 0.2 (1.5) | – | – | – | – | – | – |
| Boraginaceae | *Trichodesma zeylanicum* var. *zeylanicum* | 0.54 (1.9) | – | 0.38 (1.5) | 0.5 (1.5) | 0.5 (1.5) | 1 (3.18) | 1 (1.5) | 0.17 (1.5) | 0.13 (1.5) | 0.7 (1.5) | 0.67 (1.5) | 0.44 (1.5) |
| Brassicaceae | *Lepidium muelleri-ferdinandi* | – | – | – | – | – | – | – | – | – | – | – | – |
| Brassicaceae | *Lepidium oxytrichum* | – | – | – | – | – | – | – | – | – | 0.1 (1.5) | – | – |
| Brassicaceae | *Lepidium pedicellosum* | – | – | – | – | – | – | – | – | – | 0.1 (1.5) | – | – |
| Brassicaceae | *Lepidium phlebopetalum* | – | – | – | – | 0.5 (1.5) | – | – | – | – | – | – | – |
| Brassicaceae | *Lepidium pholidogynum* | 0.31 (1.5) | 0.17 (1.5) | – | 0.03 (1.5) | – | 0.2 (1.5) | – | – | – | 0.4 (1.5) | – | – |
| Brassicaceae | *Lepidium platypetalum* | – | – | – | – | – | – | – | – | – | 0.1 (1.5) | – | – |
| Campanulaceae | *Lobelia arnhemiaca* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Campanulaceae | *Lobelia heterophylla* subsp. *pilbarensis* | – | – | – | – | – | – | – | – | – | – | 0.33 (1.5) | 0.44 (1.5) |
| Campanulaceae | *Wahlenbergia caryophylloides* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Campanulaceae | *Wahlenbergia tumidifructa* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Capparaceae | *Capparis lasiantha* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Capparaceae | *Capparis spinosa* subsp. *nummularia* | 0.08 (1.5) | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | 0.69 (1.5) |
| Caryophyllaceae | *Polycarpaea corymbosa* var. *corymbosa* | – | – | 0.25 (1.5) | 0.22 (1.5) | – | 1 (1.5) | 1 (1.5) | 0.08 (1.5) | – | 0.2 (1.5) | – | – |
| Caryophyllaceae | *Polycarpaea holtzei* | 0.54 (1.5) | – | 0.38 (1.5) | 0.35 (1.7) | – | – | – | – | 0.04 (1.5) | 0.1 (1.5) | – | – |
| Caryophyllaceae | *Polycarpaea longiflora* | 0.15 (1.5) | – | 0.38 (1.5) | 0.65 (1.61) | – | 0.6 (1.5) | – | 0.33 (1.5) | 0.17 (2.9) | 0.1 (1.5) | 0.5 (1.5) | 0.62 (1.5) |
| Celastraceae | *Stackhousia intermedia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Celastraceae | *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | 0.62 (1.85) | – | – | 0.15 (1.5) | – | – | – | – | – | – | – | – |
| Chenopodiaceae | *Dysphania melanocarpa forma leucocarpa* | – | – | – | 0.03 (1.5) | 0.5 (1.5) | – | – | – | – | – | – | – |
| Chenopodiaceae | *Dysphania melanocarpa forma melanocarpa* | – | – | – | – | – | – | – | – | – | – | – | – |
| Chenopodiaceae | *Dysphania rhadinostachya* subsp. *inflata* | – | – | – | – | 0.5 (4.3) | – | – | – | – | 0.1 (9.2) | – | – |
| Chenopodiaceae | *Dysphania rhadinostachya* subsp. *rhadinostachya* | 1 (2.79) | 0.33 (1.5) | 0.88 (1.5) | 0.75 (2.06) | 0.5 (1.5) | 1 (5.28) | 1 (1.5) | – | 0.48 (2.26) | 0.9 (2.43) | 0.5 (1.5) | 0.06 (1.5) |
| Chenopodiaceae | *Dysphania sphaerosperma* | 0.23 (1.5) | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Chenopodiaceae | *Enchylaena tomentosa* var. *tomentosa* | – | 0.17 (1.5) | 0.5 (1.5) | – | 0.5 (1.5) | – | – | 0.75 (2.43) | 0.3 (1.9) | 0.2 (1.5) | – | 0.06 (1.5) |
| Chenopodiaceae | *Maireana ?georgei* | – | – | – | – | – | – | – | – | – | – | – | – |
| Chenopodiaceae | *Maireana melanocoma* | – | – | – | – | – | – | – | – | 0.13 (3.37) | 0.1 (1.5) | – | – |
| Chenopodiaceae | *Maireana planifolia* | – | – | 0.25 (2.9) | – | 0.5 (1.5) | – | – | 0.17 (1.5) | 0.17 (2.2) | 0.3 (1.5) | – | – |
| Chenopodiaceae | *Maireana triptera* | – | 0.17 (9.2) | 0.12 (1.5) | – | – | – | – | 0.17 (1.5) | 0.09 (2.9) | – | – | – |
| Chenopodiaceae | *Maireana villosa* | – | – | 0.12 (3) | – | – | – | – | 0.08 (1.5) | 0.17 (1.88) | – | – | – |
| Chenopodiaceae | *Rhagodia eremaea* | – | – | – | 0.03 (1.5) | – | – | – | 0.25 (2.43) | 0.43 (1.78) | 0.2 (1.5) | – | – |
| Chenopodiaceae | *Salsola australis* | 0.38 (2.06) | 0.17 (1.5) | 0.25 (1.5) | 0.1 (1.5) | 1 (1.5) | 0.8 (1.5) | – | 0.08 (1.5) | 0.22 (1.5) | 0.5 (1.5) | – | – |
| Chenopodiaceae | *Sclerolaena costata* | – | 0.33 (1.5) | 0.25 (1.5) | – | 0.5 (1.5) | – | – | – | 0.22 (2.06) | 0.1 (1.5) | – | – |
| Chenopodiaceae | *Sclerolaena densiflora* | 0.31 (1.5) | 0.17 (1.5) | – | 0.05 (1.5) | 0.5 (1.5) | 0.4 (1.5) | – | – | 0.22 (2.06) | 0.5 (3.18) | – | – |
| Chenopodiaceae | *Sclerolaena diacantha* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | – |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chenopodiaceae | *Sclerolaena eriacantha* | – | – | 0.12 (1.5) | 0.03 (1.5) | – | – | – | 0.08 (1.5) | 0.13 (1.5) | 0.4 (2.2) | – | – |
| Chenopodiaceae | *Sclerolaena lanicuspis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cleomaceae | *Arivela viscosa* | 0.69 (2.12) | 0.17 (1.5) | 0.88 (3.63) | 0.75 (1.69) | 1 (2.9) | 1 (4.72) | – | 0.17 (1.5) | 0.17 (2.9) | 1 (2.06) | 1 (1.5) | 0.88 (1.5) |
| Combretaceae | *Terminalia supranitifolia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Commelinaceae | *Commelina ensifolia* | – | – | – | – | – | – | – | – | – | – | – | 0.5 (3.36) |
| Convolvulaceae | *Bonamia erecta* | – | – | – | – | – | – | – | 0.08 (1.5) | – | – | – | – |
| Convolvulaceae | *Bonamia pannosa* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Bonamia pilbarensis* | – | – | – | 0.12 (1.5) | – | – | – | 0.17 (1.5) | 0.04 (1.5) | – | – | – |
| Convolvulaceae | *Bonamia rosea* | – | – | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Convolvulus clementii* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Duperreya commixta* | – | 0.33 (1.5) | 0.25 (1.5) | – | – | – | – | 0.17 (1.5) | 0.39 (1.5) | 0.1 (1.5) | 0.5 (1.5) | 0.81 (1.5) |
| Convolvulaceae | *Evolvulus alsinoides* var. *decumbens* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Evolvulus alsinoides* var. *villosicalyx* | 0.08 (1.5) | 0.33 (1.5) | 0.88 (1.5) | 0.03 (1.5) | 0.5 (1.5) | 0.4 (1.5) | 1 (1.5) | 0.33 (1.5) | 0.22 (1.5) | 0.2 (1.5) | – | 0.06 (1.5) |
| Convolvulaceae | *Ipomoea calobra* | – | – | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Ipomoea muelleri* | – | 0.17 (1.5) | 0.25 (1.5) | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Ipomoea polymorpha* | – | – | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Ipomoea racemigera* | – | – | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Operculina aequisepala* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Convolvulaceae | *Polymeria ?mollis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Polymeria ambigua* | 0.15 (5.35) | – | 0.12 (1.5) | 0.03 (1.5) | – | 0.6 (1.5) | – | – | – | – | – | – |
| Cucurbitaceae | *Citrullus ?colocynthis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cucurbitaceae | *Cucumis melo* | – | – | – | – | – | 0.2 (1.5) | – | 0.33 (1.5) | – | – | – | 0.38 (1.5) |
| Cucurbitaceae | *Cucumis variabilis* | 0.62 (1.5) | – | 0.38 (1.5) | 0.15 (1.5) | 1 (1.5) | 1 (1.5) | – | – | 0.09 (1.5) | 0.2 (1.5) | 0.83 (1.5) | 0.06 (1.5) |
| Cucurbitaceae | *Trichosanthes cucumerina* var. *cucumerina* | – | – | 0.12 (1.5) | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Cyperaceae | *Bulbostylis barbata* | 0.46 (1.5) | – | 0.5 (1.5) | 0.55 (1.88) | – | 0.8 (1.5) | – | 0.08 (1.5) | 0.04 (4.3) | 0.4 (1.5) | 0.5 (1.5) | 0.19 (1.5) |
| Cyperaceae | *Cyperus cunninghamii* subsp. *cunninghamii* | – | – | – | – | – | – | – | – | – | – | 0.5 (1.5) | 0.69 (1.64) |
| Cyperaceae | *Cyperus dactylotes* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cyperaceae | *Cyperus difformis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cyperaceae | *Cyperus hesperius* | – | – | – | 0.07 (1.5) | – | – | – | – | – | – | 0.5 (1.5) | 0.12 (8.95) |
| Cyperaceae | *Cyperus iria* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cyperaceae | *Cyperus leptocarpus* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Cyperaceae | *Cyperus pulchellus* | – | – | – | – | – | – | – | – | – | – | 0.33 (1.5) | – |
| Cyperaceae | *Cyperus squarrosus* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Cyperaceae | *Cyperus vaginatus* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (5.35) |
| Cyperaceae | *Fimbristylis dichotoma* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Cyperaceae | *Fimbristylis microcarya* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Cyperaceae | *Fimbristylis sieberiana* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Cyperaceae | *Fimbristylis simulans* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cyperaceae | *Schoenoplectus subulatus* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Dilleniaceae | *Hibbertia glaberrima* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Droseraceae | *Drosera finlaysoniana* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Elatinaceae | *Bergia pedicellaris* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Euphorbiaceae | *Adriana tomentosa* var. *tomentosa* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Euphorbiaceae | *Euphorbia australis* var. *subtomentosa* | 0.77 (1.5) | – | – | 0.15 (2.22) | – | 0.4 (1.5) | – | – | 0.04 (1.5) | 0.3 (1.5) | – | – |
| Euphorbiaceae | *Euphorbia biconvexa* | 0.08 (1.5) | – | – | 0.07 (1.5) | 0.5 (1.5) | 0.2 (1.5) | – | – | 0.13 (1.5) | 0.2 (1.5) | – | 0.5 (1.5) |
| Euphorbiaceae | *Euphorbia boophthona* | 0.77 (1.5) | – | – | 0.28 (1.5) | – | 0.6 (1.5) | 1 (1.5) | – | – | 0.3 (1.5) | 0.33 (1.5) | 0.06 (1.5) |
| Euphorbiaceae | *Euphorbia careyi* | – | – | – | 0.1 (1.5) | – | – | – | – | – | – | – | 0.31 (1.5) |
| Euphorbiaceae | *Euphorbia coghlanii* | – | – | – | 0.1 (1.5) | – | – | – | – | – | – | – | 0.25 (1.5) |
| Euphorbiaceae | *Euphorbia tannensis* subsp. *eremophila* | 0.08 (1.5) | – | 0.38 (1.5) | 0.1 (1.5) | 0.5 (1.5) | 0.2 (1.5) | – | 0.08 (1.5) | 0.09 (1.5) | 0.1 (1.5) | – | 0.12 (1.5) |
| Euphorbiaceae | *Euphorbia trigonosperma* | – | – | – | – | – | – | – | – | – | – | 0.83 (1.5) | – |
| Euphorbiaceae | *Euphorbia vaccaria* var. *vaccaria* | 0.08 (1.5) | – | 0.12 (1.5) | 0.1 (1.5) | – | 0.2 (1.5) | – | – | – | – | – | – |
| Fabaceae | *Acacia adoxa var. adoxa* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia ampliceps* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia ancistrocarpa* | – | – | 0.5 (8.95) | 0.12 (6.02) | – | – | – | 0.17 (8.95) | – | – | – | – |
| Fabaceae | *Acacia aneura* | – | – | – | – | – | – | – | – | 0.04 (16.4) | – | – | – |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fabaceae | *Acacia aptaneura* | – | – | – | – | 0.5 (16.4) | – | – | 0.25 (7.4) | 0.3 (4.5) | – | 0.33 (2.9) | – |
| Fabaceae | *Acacia arida* | 0.08 (4.3) | – | – | 0.5 (6.53) | – | – | – | – | 0.22 (4.48) | – | – | 0.38 (4.45) |
| Fabaceae | *Acacia atkinsiana* | – | – | – | – | – | – | – | – | 0.04 (4.3) | – | – | – |
| Fabaceae | *Acacia balsamea* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia bivenosa* | 1 (5.93) | – | 0.62 (6.58) | 0.32 (2.79) | – | 0.6 (7.57) | 1 (4.3) | 0.17 (1.5) | 0.26 (1.97) | 0.4 (2.2) | 0.17 (1.5) | 0.19 (1.5) |
| Fabaceae | *Acacia catenulata* subsp. *occidentalis* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia citrinoviridis* | 0.31 (2.9) | 0.67 (21.62) | 0.38 (7.57) | 0.15 (5.38) | 0.5 (4.3) | 0.2 (4.3) | – | – | – | – | 1 (8.33) | 0.56 (9.6) |
| Fabaceae | *Acacia coriacea* subsp. *pendens* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | 0.5 (1.5) | 0.12 (2.9) |
| Fabaceae | *Acacia glaucocaesia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia hamersleyensis* | – | – | – | – | – | – | – | 0.08 (1.5) | – | – | – | 0.25 (1.5) |
| Fabaceae | *Acacia inaequilatera* | 0.23 (4.3) | – | 0.5 (4.82) | 0.85 (3.97) | 0.5 (1.5) | 0.4 (4.3) | – | 0.25 (6.47) | 0.22 (3.18) | 0.1 (1.5) | – | 0.12 (1.5) |
| Fabaceae | *Acacia kempeana* | 0.15 (4.3) | 0.17 (39.4) | – | 0.07 (6.47) | 1 (17.8) | 0.8 (19.82) | 1 (55.7) | 0.33 (11.05) | 0.09 (5.35) | – | – | – |
| Fabaceae | *Acacia maitlandii* | – | – | – | 0.05 (1.5) | – | – | 1 (1.5) | 0.25 (3.37) | 0.09 (1.5) | – | 0.17 (1.5) | 0.06 (1.5) |
| Fabaceae | *Acacia marramamba* | – | – | – | – | – | – | – | – | – | – | – | 0.56 (1.5) |
| Fabaceae | *Acacia monticola* | 0.08 (1.5) | – | – | – | 0.5 (1.5) | – | – | – | – | – | 0.5 (1.5) | 0.25 (1.5) |
| Fabaceae | *Acacia pruinocarpa* | 0.08 (1.5) | – | 0.38 (7.4) | 0.05 (1.5) | – | – | – | 0.75 (11.26) | 0.04 (9.2) | – | 1 (2.9) | 0.94 (6.63) |
| Fabaceae | *Acacia ptychophylla* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia pyrifolia* var. *morrisonii* | – | – | – | 0.05 (1.5) | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia pyrifolia* var. *pyrifolia* | – | 0.33 (2.9) | 0.12 (1.5) | – | 0.5 (1.5) | 0.2 (1.5) | – | – | 0.09 (1.5) | – | – | 0.25 (1.5) |
| Fabaceae | *Acacia retivenea* subsp. *clandestina* | – | – | – | – | – | – | – | – | – | – | 0.33 (2.9) | – |
| Fabaceae | *Acacia sericophylla* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia synchronicia* | 0.92 (5.83) | 0.67 (7.32) | 0.38 (7.4) | 0.28 (2.01) | 0.5 (1.5) | 0.8 (8.55) | – | 0.75 (4.09) | 0.91 (5.28) | 1 (4.23) | – | – |
| Fabaceae | *Acacia tetragonophylla* | 0.15 (1.5) | 0.33 (1.5) | 0.25 (4.3) | 0.1 (1.5) | 0.5 (9.2) | 0.2 (1.5) | – | 0.42 (1.5) | 0.65 (3.94) | 0.6 (1.97) | 0.17 (1.5) | – |
| Fabaceae | *Acacia tumida* var. *pilbarensis* | – | – | – | – | – | – | 1 (1.5) | – | – | – | 0.17 (1.5) | – |
| Fabaceae | *Acacia victoriae* | – | – | – | 0.03 (4.3) | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia wanyu* | – | – | – | – | – | – | – | – | – | 0.1 (39.4) | – | – |
| Fabaceae | *Acacia xiphophylla* | 0.15 (5.35) | – | – | – | – | 0.4 (2.9) | – | 0.08 (1.5) | 0.87 (15.71) | 0.9 (7.28) | – | – |
| Fabaceae | *Alysicarpus muelleri* | – | – | – | – | – | 0.6 (1.5) | – | – | – | – | – | – |
| Fabaceae | *Cajanus ?pubescens* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Cajanus cinereus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Crotalaria medicaginea* var. *neglecta* | 0.15 (1.5) | – | 0.38 (1.5) | 0.03 (1.5) | – | 0.4 (1.5) | – | – | – | – | – | 0.25 (1.5) |
| Fabaceae | *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | – | – | – | 0.07 (1.5) | – | – | – | – | – | – | 0.83 (1.5) | 0.12 (1.5) |
| Fabaceae | *Cullen graveolens* | 0.08 (1.5) | – | – | 0.03 (1.5) | – | 0.4 (1.5) | – | – | – | 0.2 (1.5) | – | – |
| Fabaceae | *Cullen leucochaites* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Glycine canescens* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Fabaceae | *Indigofera colutea* | 0.15 (1.5) | – | 0.12 (1.5) | 0.03 (1.5) | – | 0.6 (2.43) | – | – | 0.09 (1.5) | – | – | – |
| Fabaceae | *Indigofera fractiflexa* subsp. *fractiflexa* | – | – | – | – | – | – | – | – | – | – | 0.5 (1.5) | 0.06 (1.5) |
| Fabaceae | *Indigofera monophylla* | 0.54 (2.3) | – | 0.25 (1.5) | 0.5 (1.64) | – | 0.4 (1.5) | – | 0.5 (1.5) | 0.17 (2.9) | 0.3 (1.5) | 0.5 (1.5) | 0.19 (1.5) |
| Fabaceae | *Indigofera rivularis* | – | – | – | 0.05 (2.9) | – | – | – | 0.08 (1.5) | – | – | – | 0.69 (2.01) |
| Fabaceae | *Indigofera rugosa* | – | – | – | 0.07 (1.5) | – | – | – | – | – | – | – | – |
| Fabaceae | *Isotropis atropurpurea* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Petalostylis labicheoides* | 0.15 (1.5) | – | – | 0.07 (1.5) | – | – | – | 0.08 (1.5) | 0.09 (1.5) | 0.3 (3.37) | 0.5 (2.43) | 0.12 (1.5) |
| Fabaceae | *Rhynchosia bungarensis* | – | – | – | – | – | – | – | – | – | – | – | 0.31 (1.5) |
| Fabaceae | *Rhynchosia minima* | 0.15 (1.5) | 0.17 (1.5) | 0.62 (1.5) | 0.15 (1.5) | – | 0.8 (2.2) | – | – | 0.13 (1.5) | 0.1 (4.3) | 0.17 (1.5) | 0.25 (1.5) |
| Fabaceae | *Senna artemisioides* subsp. *helmsii* | 0.38 (2.06) | – | – | 0.25 (1.78) | – | 0.6 (2.43) | – | 0.17 (1.5) | 0.13 (1.5) | – | – | – |
| Fabaceae | *Senna artemisioides* subsp. *oligophylla* | 0.62 (2.9) | 0.17 (1.5) | 0.25 (2.9) | 0.3 (1.73) | 0.5 (1.5) | 0.8 (4.82) | – | 0.42 (2.06) | 0.43 (2.06) | 0.5 (2.62) | 0.17 (1.5) | 0.06 (1.5) |
| Fabaceae | *Senna artemisioides* subsp. *oligophylla x helmsii* | – | 0.17 (1.5) | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Senna ferraria* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | – | – |
| Fabaceae | *Senna glutinosa* subsp. *×luerssenii* | 0.77 (2.34) | 0.17 (1.5) | 0.25 (2.9) | 0.25 (2.34) | 0.5 (1.5) | 0.2 (1.5) | – | – | 0.65 (2.25) | 1 (2.55) | – | – |
| Fabaceae | *Senna glutinosa* subsp. *glutinosa* | 0.31 (2.2) | – | 0.5 (1.5) | 0.42 (1.83) | 0.5 (1.5) | – | 1 (1.5) | 0.5 (1.5) | 0.39 (1.81) | 0.3 (1.5) | 0.67 (1.5) | 0.81 (2.65) |
| Fabaceae | *Senna glutinosa* subsp. *pruinosa* | 0.77 (3.6) | 0.17 (1.5) | 0.12 (1.5) | 0.6 (2.43) | – | – | – | 0.83 (2.34) | 0.3 (1.5) | 0.1 (1.5) | – | – |
| Fabaceae | *Senna notabilis* | 0.85 (1.5) | 0.17 (1.5) | 0.38 (1.5) | 0.2 (1.5) | – | 1 (2.62) | 1 (1.5) | 0.08 (1.5) | 0.09 (1.5) | 0.8 (2.2) | – | 0.19 (1.5) |
| Fabaceae | *Senna* sp. Meekatharra (E. Bailey 1-26) | – | – | – | – | – | – | – | – | 0.09 (1.5) | – | – | – |
| Fabaceae | *Senna stricta* | – | – | – | – | – | – | – | 0.17 (1.5) | 0.09 (1.5) | – | – | – |
| Fabaceae | *Senna venusta* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fabaceae | *Sesbania cannabina* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Sesbania formosa* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Swainsona complanata* | 0.23 (1.5) | – | – | 0.12 (3.04) | – | – | – | – | – | 0.2 (1.5) | – | – |
| Fabaceae | *Swainsona forrestii* | 0.23 (1.5) | – | – | 0.03 (1.5) | – | 0.4 (2.9) | – | – | – | 0.1 (1.5) | – | – |
| Fabaceae | *Swainsona maccullochiana* | 0.15 (2.9) | – | – | 0.15 (2.43) | 0.5 (1.5) | – | – | – | 0.04 (4.3) | 0.4 (2.2) | – | – |
| Fabaceae | *Tephrosia clementii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Tephrosia densa* | 0.08 (1.5) | – | 0.38 (2.43) | 0.05 (1.5) | – | 0.2 (1.5) | – | 0.17 (1.5) | – | – | – | 0.12 (1.5) |
| Fabaceae | *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | – | – | 0.12 (1.5) | 0.03 (1.5) | – | – | – | – | 0.04 (1.5) | – | – | – |
| Fabaceae | *Tephrosia* sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | – | 0.17 (1.5) | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Tephrosia supina* | – | – | – | 0.03 (1.5) | – | 0.2 (1.5) | – | – | – | – | – | – |
| Fabaceae | *Tephrosia uniovulata* | – | – | – | 0.03 (1.5) | – | – | – | – | – | 0.1 (1.5) | – | – |
| Fabaceae | *Vachellia farnesiana* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Fabaceae | *Vigna lanceolata* var. *lanceolata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Goodeniaceae | *Dampiera candicans* | 0.08 (1.5) | – | – | – | – | – | – | – | 0.04 (1.5) | 0.1 (1.5) | – | 0.12 (1.5) |
| Goodeniaceae | *Goodenia cusackiana* | – | – | – | – | – | – | – | – | – | – | – | – |
| Goodeniaceae | *Goodenia forrestii* | – | 0.17 (1.5) | 0.5 (1.5) | 0.05 (1.5) | 0.5 (1.5) | 0.8 (2.2) | – | – | 0.09 (1.5) | 0.3 (1.5) | – | – |
| Goodeniaceae | *Goodenia lamprosperma* | – | – | – | – | – | – | – | – | – | – | – | – |
| Goodeniaceae | *Goodenia microptera* | – | – | 0.12 (1.5) | 0.07 (1.5) | – | – | – | – | 0.09 (2.9) | 0.1 (1.5) | – | – |
| Goodeniaceae | *Goodenia muelleriana* | – | 0.33 (1.5) | 0.12 (1.5) | 0.03 (1.5) | – | – | – | 0.83 (1.5) | – | 0.1 (1.5) | – | – |
| Goodeniaceae | *Goodenia nuda* | – | – | – | – | – | – | – | – | – | – | – | – |
| Goodeniaceae | *Goodenia stobbsiana* | – | – | – | 0.15 (1.5) | – | – | 1 (1.5) | 0.33 (1.5) | 0.09 (1.5) | – | 0.17 (1.5) | 0.12 (1.5) |
| Goodeniaceae | *Goodenia tenuiloba* | 0.31 (1.5) | – | – | 0.1 (1.5) | – | 0.4 (1.5) | – | – | 0.13 (1.5) | 0.1 (1.5) | – | – |
| Goodeniaceae | *Goodenia triodiophila* | – | – | 0.12 (1.5) | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Goodeniaceae | *Scaevola acacioides* | – | – | – | – | – | – | – | – | 0.04 (1.5) | – | – | – |
| Goodeniaceae | *Scaevola amblyanthera* var. *amblyanthera* | – | – | – | – | – | – | – | – | – | – | – | – |
| Goodeniaceae | *Scaevola spinescens* | 0.23 (1.5) | 0.17 (4.3) | – | 0.07 (1.5) | – | 0.8 (2.2) | – | – | 0.26 (1.5) | 0.3 (1.5) | – | – |
| Gyrostemonaceae | *Codonocarpus cotinifolius* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Haloragaceae | *Haloragis gossei* var. *gossei* | 0.46 (1.5) | – | – | 0.05 (1.5) | – | 0.2 (1.5) | 1 (1.5) | – | – | 0.1 (1.5) | 0.33 (1.5) | – |
| Haloragaceae | *Haloragis trigonocarpa* | – | – | – | – | – | – | – | – | – | – | – | – |
| Lamiaceae | *Clerodendrum floribundum* var. *angustifolium* | – | – | – | 0.05 (1.5) | – | – | – | – | – | – | 0.5 (1.5) | 0.31 (1.5) |
| Lamiaceae | *Clerodendrum tomentosum* var. *lanceolatum* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | 0.25 (1.5) |
| Lamiaceae | *Prostanthera albiflora* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Lamiaceae | *Teucrium ?teucriiflorum* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Loranthaceae | *Amyema benthamii* | – | – | – | – | – | – | – | – | 0.04 (1.5) | – | – | – |
| Loranthaceae | *Amyema hilliana* | – | – | – | – | – | – | – | – | – | – | – | – |
| Loranthaceae | *Amyema preissii* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Lythraceae | *Ammannia baccifera* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Lythraceae | *Ammannia multiflora* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Lythraceae | *Rotala diandra* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Malvaceae | *Abutilon amplum* | – | – | – | – | – | – | – | – | 0.04 (1.5) | – | – | – |
| Malvaceae | *Abutilon cryptopetalum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Abutilon cunninghamii* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | 0.06 (9.2) |
| Malvaceae | *Abutilon fraseri* subsp. *fraseri* | 0.08 (1.5) | 0.5 (1.5) | 0.12 (1.5) | 0.03 (1.5) | 0.5 (1.5) | 0.2 (1.5) | – | 0.33 (1.5) | 0.3 (1.5) | 0.1 (1.5) | 0.17 (1.5) | 0.38 (1.5) |
| Malvaceae | *Abutilon lepidum* | 0.23 (1.5) | 0.17 (1.5) | – | 0.03 (1.5) | 0.5 (1.5) | 0.8 (1.5) | – | – | 0.04 (1.5) | 0.4 (1.5) | – | 0.06 (1.5) |
| Malvaceae | *Abutilon macrum* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Malvaceae | *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | – | – | 0.12 (1.5) | 0.03 (1.5) | – | – | – | – | – | – | 0.67 (1.5) | 0.25 (2.2) |
| Malvaceae | *Abutilon* sp. Pilbara (W.R. Barker 2025) | 0.23 (1.5) | – | – | 0.03 (1.5) | – | 0.6 (1.5) | – | – | 0.09 (2.9) | 0.1 (1.5) | – | – |
| Malvaceae | *Brachychiton acuminatus* | – | – | – | – | – | – | – | 0.08 (1.5) | – | – | – | 0.38 (2.43) |
| Malvaceae | *Brachychiton gregorii* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Malvaceae | *Corchorus crozophorifolius* | 0.08 (1.5) | – | 0.75 (1.5) | 0.05 (1.5) | – | 0.2 (1.5) | – | 0.33 (1.5) | – | 0.1 (4.3) | 0.83 (2.62) | 0.75 (1.5) |
| Malvaceae | *Corchorus laniflorus* | 0.77 (1.5) | 0.33 (6.75) | 0.38 (2.43) | 0.48 (1.79) | 1 (2.9) | 0.8 (2.2) | – | – | 0.52 (2.2) | 0.7 (4.03) | – | – |
| Malvaceae | *Corchorus lasiocarpus* subsp. *lasiocarpus* | – | 0.17 (1.5) | – | 0.05 (1.5) | – | – | – | – | 0.13 (1.5) | – | – | 0.19 (3.37) |
| Malvaceae | *Corchorus lasiocarpus* subsp. *parvus* | – | – | 0.12 (1.5) | 0.17 (1.5) | – | – | – | – | – | – | – | – |
| Malvaceae | *Corchorus tectus* | 0.15 (1.5) | 0.17 (4.3) | 0.12 (1.5) | 0.1 (1.5) | – | – | – | – | 0.26 (1.97) | – | 0.17 (1.5) | 0.19 (1.5) |
| Malvaceae | *Corchorus tridens* | 0.08 (1.5) | – | – | – | – | 0.4 (1.5) | – | 0.08 (1.5) | – | – | – | – |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Malvaceae | *Gossypium australe* | 0.15 (1.5) | 0.33 (1.5) | 0.5 (1.5) | 0.1 (1.5) | – | 0.2 (1.5) | – | 0.25 (15.07) | – | 0.1 (1.5) | – | 0.12 (20.45) |
| Malvaceae | *Gossypium robinsonii* | 0.15 (8.95) | – | 0.12 (1.5) | 0.1 (1.5) | – | 0.2 (1.5) | 1 (4.3) | 0.25 (1.5) | 0.04 (1.5) | 0.2 (1.5) | 0.83 (1.5) | 0.62 (2.83) |
| Malvaceae | *Hibiscus burtonii* | – | – | 0.12 (1.5) | – | – | – | – | 0.33 (1.5) | – | – | – | – |
| Malvaceae | *Hibiscus coatesii* | 0.23 (1.5) | – | 0.12 (1.5) | 0.17 (1.5) | – | 0.4 (1.5) | 1 (1.5) | 0.33 (1.5) | 0.22 (1.5) | 0.2 (1.5) | – | 0.12 (1.5) |
| Malvaceae | *Hibiscus goldsworthii* | 0.08 (1.5) | – | – | 0.05 (1.5) | – | – | – | – | – | – | 0.5 (1.5) | 0.5 (1.5) |
| Malvaceae | *Hibiscus leptocladus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Hibiscus* sp. Gardneri (A.L. Payne PRP 1435) | – | – | – | – | – | – | – | – | 0.09 (1.5) | – | – | – |
| Malvaceae | *Hibiscus sturtii* var. *campylochlamys* | 0.23 (1.5) | 0.33 (1.5) | 0.12 (1.5) | 0.07 (1.5) | 0.5 (1.5) | 0.6 (1.5) | – | 0.25 (1.5) | 0.13 (2.43) | 0.3 (1.5) | 0.17 (1.5) | 0.25 (1.5) |
| Malvaceae | *Malvastrum americanum* | – | 0.17 (1.5) | – | – | – | 0.6 (2.43) | – | – | – | – | – | 0.06 (1.5) |
| Malvaceae | *Melhania oblongifolia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Seringia exastia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Seringia nephrosperma* | 0.08 (1.5) | – | – | – | – | – | 1 (1.5) | – | 0.04 (1.5) | – | – | – |
| Malvaceae | *Sida ?arenicola* | – | – | – | – | – | – | – | – | 0.04 (1.5) | – | – | – |
| Malvaceae | *Sida arsiniata* | – | – | 0.12 (1.5) | 0.03 (1.5) | – | 0.2 (1.5) | – | 0.25 (1.5) | – | – | – | – |
| Malvaceae | *Sida echinocarpa* | 0.23 (1.5) | 0.33 (1.5) | 0.75 (4.48) | 0.3 (1.73) | 1 (2.9) | 0.2 (1.5) | – | 0.75 (1.81) | 0.35 (1.85) | 0.5 (1.5) | – | – |
| Malvaceae | *Sida fibulifera* | 0.15 (2.9) | 0.5 (1.5) | 0.25 (1.5) | 0.03 (1.5) | – | 0.6 (1.5) | – | – | 0.26 (1.5) | 0.2 (1.5) | – | – |
| Malvaceae | *Sida rohlenae* subsp. *rohlenae* | 0.08 (1.5) | 0.17 (1.5) | – | – | – | – | – | – | – | – | 0.17 (4.3) | – |
| Malvaceae | *Sida* sp. dark green fruits (S. van Leeuwen 2260) | – | – | – | – | – | – | – | – | 0.09 (1.5) | – | – | – |
| Malvaceae | *Sida* sp. Hamersley Range (K. Newbey 10692) | – | – | – | – | – | – | – | 0.33 (1.5) | – | – | 0.17 (1.5) | 0.62 (1.5) |
| Malvaceae | *Sida* sp. L (A.M. Ashby 4202) | – | 0.5 (1.5) | 0.12 (1.5) | – | 1 (2.9) | – | – | 0.25 (1.5) | 0.09 (1.5) | – | 0.17 (1.5) | – |
| Malvaceae | *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | 0.08 (1.5) | – | – | 0.05 (1.5) | – | – | – | 0.17 (1.5) | 0.04 (1.5) | 0.2 (1.5) | 0.17 (1.5) | – |
| Malvaceae | *Sida* sp. Shovelanna Hill (S. van Leeuwen 3842) | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90) | – | – | 0.12 (1.5) | 0.03 (1.5) | – | – | – | 0.08 (1.5) | – | 0.1 (1.5) | – | – |
| Malvaceae | *Sida spinosa* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Malvaceae | *Triumfetta ?appendiculata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Triumfetta chaetocarpa* | – | – | – | 0.05 (1.5) | – | – | – | – | – | – | – | 0.31 (1.5) |
| Malvaceae | *Triumfetta clementii* | 0.38 (1.5) | 0.17 (1.5) | 0.75 (1.5) | 0.32 (1.5) | – | 0.2 (1.5) | – | 0.17 (1.5) | 0.04 (1.5) | 0.4 (1.5) | – | – |
| Malvaceae | *Triumfetta maconochieana* | 0.08 (1.5) | – | – | – | – | – | – | – | – | – | 0.83 (1.5) | 0.31 (1.5) |
| Malvaceae | *Triumfetta propinqua* | – | – | – | 0.07 (1.5) | – | – | – | – | – | – | – | – |
| Malvaceae | *Waltheria indica* | – | – | – | 0.03 (1.5) | – | – | – | 0.08 (1.5) | – | – | – | – |
| Menispermaceae | *Tinospora smilacina* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | 0.44 (1.5) |
| Molluginaceae | *Trigastrotheca molluginea* | 0.23 (1.5) | 0.17 (1.5) | 0.5 (1.5) | 0.15 (1.5) | – | 0.8 (1.5) | – | 0.08 (1.5) | 0.13 (1.5) | 0.3 (1.5) | – | – |
| Montiaceae | *Calandrinia ptychosperma* | – | – | – | – | 0.5 (1.5) | 0.6 (2.43) | – | – | – | – | 0.17 (1.5) | – |
| Montiaceae | *Calandrinia schistorhiza* | – | – | – | – | – | – | – | – | – | 0.4 (5.92) | – | – |
| Moraceae | *Ficus aculeata var. indecora* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Moraceae | *Ficus brachypoda* | – | – | – | – | – | – | – | – | – | – | 0.33 (1.5) | 0.62 (2.06) |
| Moraceae | *Ficus platypoda* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Moraceae | *Ficus virens* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Myrtaceae | *Corymbia ferriticola* | – | 0.17 (16.4) | – | – | – | – | – | – | – | – | 1 (7.1) | 0.5 (10.05) |
| Myrtaceae | *Corymbia hamersleyana* | 0.31 (2.9) | – | – | 0.2 (3.25) | 0.5 (9.2) | – | – | – | – | – | – | – |
| Myrtaceae | *Eucalyptus camaldulensis* subsp. *refulgens* | – | – | 0.12 (1.5) | – | – | – | – | – | – | – | – | 0.19 (12.37) |
| Myrtaceae | *Eucalyptus leucophloia* subsp. *leucophloia* | 0.46 (3.37) | 0.17 (1.5) | – | 0.2 (2.55) | 0.5 (4.3) | – | 1 (1.5) | 0.5 (2.43) | 0.09 (1.5) | – | 0.5 (5) | 0.31 (2.06) |
| Myrtaceae | *Eucalyptus socialis* subsp. *eucentrica* | – | – | – | 0.05 (2.9) | – | – | – | – | – | – | – | 0.12 (8.95) |
| Myrtaceae | *Eucalyptus trivalva* | – | – | – | – | – | – | – | 0.08 (1.5) | – | – | – | – |
| Myrtaceae | *Eucalyptus victrix* | – | – | 0.12 (4.3) | – | – | – | – | – | – | – | 0.17 (1.5) | 0.31 (9.14) |
| Myrtaceae | *Eucalyptus xerothermica* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Myrtaceae | *Melaleuca argentea* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (4.3) |
| Myrtaceae | *Melaleuca bracteata* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Myrtaceae | *Melaleuca eleuterostachya* | – | – | – | – | – | – | – | – | – | – | – | – |
| Myrtaceae | *Melaleuca glomerata* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (13.95) |
| Myrtaceae | *Melaleuca linophylla* | – | – | – | – | – | – | – | – | – | – | – | – |
| Nyctaginaceae | *Boerhavia burbidgeana* | – | 0.33 (1.5) | – | 0.05 (1.5) | – | – | – | – | – | 0.1 (1.5) | – | – |
| Nyctaginaceae | *Boerhavia coccinea* | 0.38 (2.06) | 0.33 (1.5) | 0.75 (2.43) | 0.42 (1.5) | 0.5 (1.5) | 0.8 (1.5) | – | 0.25 (1.5) | – | 0.6 (1.97) | 0.5 (1.5) | 0.19 (1.5) |
| Nyctaginaceae | *Boerhavia gardneri* | – | – | – | 0.05 (1.5) | – | – | – | – | – | – | – | – |
| Oleaceae | *Jasminum didymum* subsp. *lineare* | 0.54 (1.5) | 0.33 (1.5) | 0.12 (1.5) | 0.25 (1.5) | 0.5 (1.5) | – | – | 0.67 (1.5) | 0.3 (1.5) | 0.2 (1.5) | 1 (1.97) | 0.81 (1.5) |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orobanchaceae | *Striga curviflora* | 0.08 (1.5) | – | – | – | – | – | – | – | – | – | – | – |
| Papaveraceae | *Argemone ochroleuca* subsp. *ochroleuca* | – | – | – | – | – | – | – | – | – | – | – | – |
| Passifloraceae | *Passiflora foetida* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Phrymaceae | *Mimulus gracilis* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Phyllanthaceae | *Dendrophyllanthus erwinii* | 0.38 (1.5) | – | 0.12 (1.5) | 0.17 (1.5) | 1 (1.5) | 1 (1.5) | 1 (1.5) | – | 0.09 (1.5) | 0.1 (1.5) | – | – |
| Phyllanthaceae | *Flueggea virosa* subsp. *melanthesoides* | – | – | – | – | – | – | – | – | – | – | 0.67 (5.92) | 0.31 (3.18) |
| Phyllanthaceae | *Kirganelia baccata* | – | – | – | – | – | – | – | – | – | – | – | 0.31 (1.5) |
| Phyllanthaceae | *Nellica maderaspatensis* | 0.15 (1.5) | – | 0.12 (1.5) | 0.05 (1.5) | – | – | – | – | – | – | – | 0.44 (1.5) |
| Phyllanthaceae | *Notoleptopus decaisnei* var. *decaisnei* | 0.46 (1.5) | – | – | 0.05 (1.5) | – | 0.2 (1.5) | – | – | – | 0.2 (2.9) | – | – |
| Plantaginaceae | *Stemodia grossa* | – | – | – | – | – | 0.2 (1.5) | – | – | – | – | 0.33 (2.9) | 0.31 (1.5) |
| Poaceae | *Amphipogon sericeus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Aristida burbidgeae* | – | – | – | – | – | – | – | – | – | – | 0.5 (2.43) | 0.44 (3) |
| Poaceae | *Aristida contorta* | 0.08 (1.5) | 0.33 (5.35) | – | 0.07 (2.43) | 0.5 (1.5) | – | – | 0.33 (1.5) | 0.04 (1.5) | 0.4 (1.5) | – | – |
| Poaceae | *Aristida holathera* var. *holathera* | 0.15 (1.5) | – | – | 0.1 (1.5) | – | 0.2 (1.5) | – | – | 0.04 (1.5) | 0.3 (1.5) | – | – |
| Poaceae | *Cenchrus ciliaris* | 0.23 (1.5) | 0.67 (10.72) | 0.62 (18.86) | 0.15 (1.5) | 1 (6.75) | 1 (6.26) | – | 0.33 (2.9) | 0.35 (1.85) | 0.2 (1.5) | 0.17 (1.5) | 0.19 (1.5) |
| Poaceae | *Cenchrus setiger* | – | 0.83 (18.54) | – | 0.03 (1.5) | – | 0.2 (1.5) | – | – | 0.13 (1.5) | – | – | 0.06 (1.5) |
| Poaceae | *Chloris pectinata* | – | – | – | – | – | 0.2 (1.5) | – | – | – | – | – | – |
| Poaceae | *Chrysopogon fallax* | – | 0.17 (1.5) | – | 0.03 (1.5) | 0.5 (4.3) | – | – | 0.08 (1.5) | – | – | – | – |
| Poaceae | *Cymbopogon ambiguus* | – | – | 0.12 (1.5) | 0.17 (1.5) | – | – | – | 0.42 (1.5) | 0.04 (1.5) | – | 1 (2.43) | 0.94 (1.69) |
| Poaceae | *Cynodon prostratus* | 0.31 (2.9) | 0.17 (1.5) | 0.12 (1.5) | 0.03 (1.5) | – | – | – | 0.17 (1.5) | 0.22 (1.5) | 1 (9.58) | – | – |
| Poaceae | *Dactyloctenium radulans* | 0.08 (1.5) | 0.17 (1.5) | – | – | – | 0.2 (1.5) | – | 0.08 (1.5) | 0.04 (1.5) | 0.1 (1.5) | – | – |
| Poaceae | *Digitaria brownii* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | – | 0.06 (1.5) |
| Poaceae | *Digitaria ctenantha* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Echinochloa colona* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Enneapogon caerulescens* | 0.62 (1.5) | 0.33 (5.35) | 0.38 (2) | 0.3 (1.73) | – | 0.2 (1.5) | – | 0.17 (1.5) | 0.22 (2.06) | 0.9 (1.5) | – | 0.06 (1.5) |
| Poaceae | *Enneapogon lindleyanus* | – | – | – | 0.03 (1.5) | – | – | – | 0.17 (1.5) | – | – | – | 0.12 (1.5) |
| Poaceae | *Enneapogon pallidus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Enneapogon polyphyllus* | 0.08 (1.5) | – | 0.25 (1.5) | 0.05 (1.5) | 0.5 (1.5) | 0.2 (1.5) | – | 0.33 (1.5) | 0.04 (1.5) | 0.1 (1.5) | – | – |
| Poaceae | *Enneapogon robustissimus* | – | – | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Poaceae | *Enteropogon ramosus* | – | – | – | – | – | – | – | 0.08 (1.5) | 0.04 (1.5) | – | – | – |
| Poaceae | *Eragrostis cumingii* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | 0.06 (1.5) |
| Poaceae | *Eragrostis dielsii* | – | 0.17 (1.5) | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Poaceae | *Eragrostis eriopoda* | – | – | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Poaceae | *Eragrostis tenellula* | – | 0.17 (1.5) | 0.25 (1.5) | – | – | – | – | – | – | 0.1 (4.3) | 0.33 (2.9) | 0.12 (1.5) |
| Poaceae | *Eriachne benthamii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Eriachne ciliata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Eriachne melicacea* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Eriachne mucronata* | 0.08 (1.5) | – | – | 0.1 (1.5) | – | – | 1 (1.5) | 0.25 (2.43) | 0.13 (2.43) | – | 1 (5) | 1 (4.75) |
| Poaceae | *Eriachne obtusa* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (16.4) |
| Poaceae | *Eriachne pulchella* subsp. *dominii* | – | – | 0.5 (1.5) | 0.17 (1.5) | – | 0.2 (1.5) | – | – | 0.17 (2.9) | 0.2 (1.5) | – | – |
| Poaceae | *Eriachne pulchella* subsp. *pulchella* | 0.31 (1.5) | 0.17 (1.5) | 0.25 (1.5) | 0.2 (1.5) | – | 0.2 (1.5) | 1 (1.5) | 0.25 (1.5) | 0.04 (1.5) | 0.6 (2.43) | – | 0.06 (1.5) |
| Poaceae | *Eriachne tenuiculmis* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | 0.33 (4.3) | 0.19 (14) |
| Poaceae | *Eulalia aurea* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (2.9) |
| Poaceae | *Iseilema vaginiflorum* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Poaceae | *Neurachne muelleri* | – | 0.17 (9.2) | 0.12 (1.5) | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Poaceae | *Paspalidium basicladum* | – | – | – | – | – | – | – | 0.08 (1.5) | – | – | – | 0.12 (1.5) |
| Poaceae | *Paspalidium clementii* | 0.38 (2.06) | – | 0.12 (1.5) | 0.35 (2.1) | 0.5 (1.5) | 0.6 (2.43) | 1 (1.5) | – | 0.17 (2.2) | 0.7 (3) | 1 (1.5) | 0.12 (1.5) |
| Poaceae | *Paspalidium rarum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Paspalidium tabulatum* | – | – | – | – | – | 0.2 (1.5) | – | 0.08 (1.5) | – | – | – | 0.06 (1.5) |
| Poaceae | *Perotis rara* | – | – | 0.12 (1.5) | – | 1 (1.5) | 0.2 (1.5) | – | – | – | – | – | – |
| Poaceae | *Schizachyrium fragile* | – | – | 0.12 (1.5) | – | – | – | – | – | – | – | – | – |
| Poaceae | *Setaria verticillata* | – | – | 0.12 (1.5) | – | – | – | 1 (1.5) | – | – | – | – | – |
| Poaceae | *Sporobolus australasicus* | 0.54 (1.9) | 0.17 (1.5) | 0.12 (1.5) | 0.2 (1.5) | – | 1 (3.18) | 1 (1.5) | – | 0.09 (1.5) | 1 (1.78) | – | – |
| Poaceae | *Themeda* sp. Mt Barricade (M.E. Trudgen 2471) | – | – | – | – | – | – | – | – | – | – | – | 0.56 (9.33) |
| Poaceae | *Themeda triandra* | – | – | – | – | 0.5 (4.3) | – | – | – | – | – | 0.83 (2.62) | 0.25 (5.92) |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Poaceae | *Tragus australianus* | 0.08 (1.5) | 0.17 (1.5) | 0.12 (1.5) | – | – | 0.2 (1.5) | – | 0.08 (1.5) | – | 0.1 (1.5) | – | – |
| Poaceae | *Triodia angusta* | 0.38 (16.54) | – | – | 0.05 (21.85) | – | – | – | – | 0.13 (12.37) | 0.1 (4.3) | – | – |
| Poaceae | *Triodia epactia* | – | 0.33 (6.75) | 0.88 (41.11) | 0.05 (8.95) | 0.5 (9.2) | 1 (16.96) | – | 0.67 (11.71) | 0.39 (22.29) | 0.3 (4.3) | – | – |
| Poaceae | *Triodia longiceps* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Triodia pisoliticola* | – | – | – | – | – | – | 1 (4.3) | – | – | – | 1 (15.43) | 0.5 (5.7) |
| Poaceae | *Triodia schinzii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Triodia wiseana* | 1 (25.72) | 0.5 (15.07) | 0.12 (26.4) | 1 (43.08) | 1 (6.75) | 0.4 (2.9) | 1 (9.2) | 0.67 (14.74) | 0.87 (19.26) | 1 (11.82) | 1 (7.87) | 0.88 (6.79) |
| Poaceae | *Triraphis mollis* | – | – | – | – | – | 0.2 (1.5) | – | – | – | – | – | – |
| Polygalaceae | *Polygala glaucifolia* | 0.08 (1.5) | – | – | 0.15 (1.5) | – | – | – | – | – | – | – | – |
| Polygalaceae | *Polygala isingii* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | – | – |
| Polygonaceae | *Rumex vesicarius* | – | – | – | – | – | – | – | – | – | – | – | – |
| Portulacaceae | *Portulaca cyclophylla* | – | – | – | – | – | – | – | – | – | – | – | – |
| Portulacaceae | *Portulaca oleracea* | 0.62 (1.85) | 0.17 (1.5) | 0.38 (1.5) | 0.22 (1.5) | 0.5 (1.5) | 1 (3.18) | – | 0.08 (1.5) | – | 0.9 (1.81) | – | – |
| Proteaceae | *Grevillea berryana* | – | – | 0.25 (1.5) | 0.03 (1.5) | – | – | – | 0.17 (2.9) | 0.22 (3.9) | 0.1 (1.5) | 0.17 (1.5) | 0.19 (6.63) |
| Proteaceae | *Grevillea pyramidalis* subsp. *leucadendron* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Proteaceae | *Grevillea stenobotrya* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Proteaceae | *Grevillea striata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Proteaceae | *Grevillea wickhamii* subsp. *hispidula* | – | – | – | 0.03 (1.5) | – | – | – | – | – | – | 0.17 (1.5) | – |
| Proteaceae | *Hakea chordophylla* | – | 0.17 (1.5) | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Proteaceae | *Hakea lorea* subsp. *lorea* | – | 0.33 (2.9) | 0.25 (1.5) | 0.12 (1.5) | 0.5 (4.3) | 0.4 (2.9) | – | 0.08 (1.5) | 0.04 (1.5) | – | – | 0.06 (1.5) |
| Pteridaceae | *Cheilanthes austrotenuifolia* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Pteridaceae | *Cheilanthes brownii* | – | – | – | – | – | – | – | – | – | – | 0.67 (1.5) | – |
| Pteridaceae | *Cheilanthes contigua* | – | – | – | 0.1 (1.5) | – | – | – | – | – | – | 0.17 (1.5) | – |
| Pteridaceae | *Cheilanthes lasiophylla* | – | – | – | – | – | – | – | – | – | – | – | 0.25 (1.5) |
| Pteridaceae | *Cheilanthes sieberi* subsp. *sieberi* | – | – | – | 0.05 (1.5) | 1 (1.5) | – | – | – | – | – | 0.17 (1.5) | 0.12 (1.5) |
| Rubiaceae | *Dolichocarpa crouchiana* | 0.92 (1.97) | – | – | 0.8 (1.94) | – | 0.4 (1.5) | 1 (1.5) | – | 0.13 (1.5) | 0.6 (1.97) | 0.17 (1.5) | 0.06 (1.5) |
| Rubiaceae | *Psydrax latifolia* | – | – | – | – | – | – | – | 0.08 (1.5) | 0.13 (1.5) | – | 0.17 (1.5) | 0.44 (1.5) |
| Rubiaceae | *Psydrax suaveolens* | – | – | – | – | – | – | – | – | 0.04 (1.5) | – | – | – |
| Rubiaceae | *Scleromitrion galioides* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | – |
| Rubiaceae | *Synaptantha tillaeacea* var. *tillaeacea* | – | – | – | – | – | – | – | – | – | – | – | – |
| Santalaceae | *Amyema ?sanguinea* | – | – | – | – | – | – | – | – | – | – | – | – |
| Santalaceae | *Santalum lanceolatum* | – | 0.33 (2.9) | – | – | – | – | – | 0.17 (1.5) | – | – | 0.17 (1.5) | – |
| Sapindaceae | *Alectryon oleifolius* | – | – | – | – | – | – | – | – | – | – | – | – |
| Sapindaceae | *Atalaya hemiglauca* | – | – | – | – | – | – | – | – | – | – | – | – |
| Sapindaceae | *Diplopeltis stuartii* var. *stuartii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Sapindaceae | *Dodonaea coriacea* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Sapindaceae | *Dodonaea lanceolata* var. *lanceolata* | – | – | – | – | – | – | 1 (1.5) | – | – | – | – | – |
| Sapindaceae | *Dodonaea pachyneura* | – | – | – | – | – | – | – | 0.08 (1.5) | – | – | 0.67 (5.92) | 0.56 (3.29) |
| Sapindaceae | *Dodonaea petiolaris* | – | – | – | – | – | – | – | – | 0.09 (2.9) | – | – | – |
| Sapindaceae | *Dodonaea viscosa* | – | – | – | – | – | – | – | – | – | – | 0.17 (4.3) | 0.12 (1.5) |
| Scrophulariaceae | *Eremophila cuneifolia* | 0.08 (1.5) | 0.17 (1.5) | 0.38 (4.07) | 0.07 (1.5) | 0.5 (1.5) | – | – | 0.25 (1.5) | 0.74 (4.92) | 0.5 (1.5) | – | – |
| Scrophulariaceae | *Eremophila exilifolia* | – | – | – | 0.03 (4.3) | – | – | – | – | – | – | 0.17 (1.5) | – |
| Scrophulariaceae | *Eremophila forrestii* subsp. *forrestii* | – | – | 0.12 (1.5) | – | – | – | 1 (1.5) | 0.5 (1.5) | 0.17 (1.5) | 0.1 (1.5) | – | 0.25 (1.5) |
| Scrophulariaceae | *Eremophila fraseri* subsp. *fraseri* | – | – | 0.12 (1.5) | 0.03 (1.5) | – | – | – | – | 0.04 (1.5) | – | – | – |
| Scrophulariaceae | *Eremophila lanceolata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Scrophulariaceae | *Eremophila latrobei* subsp. *filiformis* | – | – | – | – | – | – | – | – | 0.17 (2.2) | – | – | – |
| Scrophulariaceae | *Eremophila latrobei* subsp. *glabra* | – | – | – | – | – | – | – | – | – | – | 0.17 (1.5) | 0.5 (2.2) |
| Scrophulariaceae | *Eremophila latrobei* subsp. *latrobei* | – | – | – | – | – | – | – | – | 0.04 (4.3) | – | 0.67 (2.9) | 0.06 (1.5) |
| Scrophulariaceae | *Eremophila longifolia* | 0.31 (1.5) | 0.17 (4.3) | 0.25 (5.35) | 0.05 (1.5) | – | 0.2 (1.5) | – | 0.25 (1.5) | 0.13 (2.43) | 0.1 (1.5) | – | 0.06 (1.5) |
| Scrophulariaceae | *Eremophila magnifica* subsp. *magnifica* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Scrophulariaceae | *Eremophila phyllopoda* subsp. *obliqua* | – | – | – | – | – | – | – | – | – | – | – | – |
| Scrophulariaceae | *Eremophila tietkensii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Solanaceae | *Datura leichhardtii* subsp. *leichhardtii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Solanaceae | *Nicotiana bilybara* | 0.08 (1.5) | – | – | 0.07 (1.5) | – | 0.2 (1.5) | – | – | – | 0.1 (1.5) | 1 (1.97) | 0.19 (1.5) |
| Solanaceae | *Nicotiana obliqua* | – | 0.33 (1.5) | – | – | – | 0.2 (1.5) | – | – | – | – | – | – |

| Family | Species | AbTw | AcCc | AcTe | AiTw | AkClCc | AkClTe | AkTw | ApTw | AxTw1 | AxTw2 | CfAcEm | CfApEm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Solanaceae | *Nicotiana occidentalis* | – | – | – | 0.03 (1.5) | 0.5 (1.5) | – | – | – | – | 0.1 (1.5) | – | 0.12 (1.5) |
| Solanaceae | *Solanum ?pycnotrichum* | – | – | – | – | 0.5 (1.5) | – | – | – | – | – | – | – |
| Solanaceae | *Solanum cleistogamum* | 0.31 (1.5) | – | 0.12 (1.5) | 0.17 (1.5) | – | 0.8 (1.5) | – | 0.33 (1.5) | 0.09 (1.5) | 0.2 (1.5) | 0.17 (1.5) | 0.5 (1.5) |
| Solanaceae | *Solanum diversiflorum* | 0.62 (1.5) | 0.33 (1.5) | 0.5 (1.5) | 0.12 (1.5) | 0.5 (1.5) | 1 (2.06) | – | 0.33 (1.5) | 0.04 (1.5) | 0.7 (2.3) | 0.17 (1.5) | 0.06 (1.5) |
| Solanaceae | *Solanum elatius* | – | – | – | 0.03 (1.5) | – | – | – | – | 0.04 (1.5) | – | – | – |
| Solanaceae | *Solanum gabrielae* | – | – | – | – | – | – | – | – | – | – | – | – |
| Solanaceae | *Solanum horridum* | 0.08 (1.5) | – | 0.5 (1.5) | 0.07 (2.43) | – | – | – | – | 0.22 (1.5) | 0.3 (1.5) | 0.5 (2.43) | 0.31 (1.5) |
| Solanaceae | *Solanum lasiophyllum* | – | 0.33 (1.5) | 0.5 (1.5) | 0.2 (1.5) | 0.5 (1.5) | 0.4 (1.5) | – | 0.42 (1.5) | 0.39 (1.67) | 0.2 (1.5) | – | – |
| Solanaceae | *Solanum phlomoides* | 0.08 (1.5) | – | – | 0.05 (1.5) | – | – | 1 (1.5) | – | 0.04 (1.5) | – | – | – |
| Solanaceae | *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | 0.15 (1.5) | – | – | 0.05 (1.5) | – | – | – | – | 0.04 (1.5) | – | 0.83 (1.5) | – |
| Solanaceae | *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | – | – | – | – | – | – | – | – | – | – | – | – |
| Stylidiaceae | *Stylidium fluminense* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Surianaceae | *Stylobasium spathulatum* | 0.15 (2.9) | – | – | 0.2 (1.5) | 1 (2.9) | – | 1 (1.5) | 0.08 (1.5) | 0.13 (2.43) | – | 0.33 (2.9) | 0.62 (1.78) |
| Typhaceae | *Typha domingensis* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Violaceae | *Afrohybanthus aurantiacus* | 0.08 (1.5) | 0.33 (1.5) | 0.5 (1.5) | 0.22 (1.5) | – | 0.2 (1.5) | 1 (1.5) | 0.25 (1.5) | 0.09 (1.5) | – | 0.83 (1.5) | 0.62 (1.5) |
| Zygophyllaceae | *Roepera eichleri* | 0.23 (1.5) | – | – | – | – | – | – | – | – | – | – | – |
| Zygophyllaceae | *Tribulus astrocarpus* | – | 0.17 (1.5) | – | – | – | 0.2 (1.5) | – | – | – | – | – | – |
| Zygophyllaceae | *Tribulus hirsutus* | 0.85 (1.5) | – | 0.25 (1.5) | 0.3 (1.62) | 0.5 (1.5) | 0.8 (1.5) | – | – | 0.04 (1.5) | 1 (1.78) | – | 0.06 (1.5) |
| Zygophyllaceae | *Tribulus macrocarpus* | – | – | – | 0.07 (1.5) | – | 0.4 (1.5) | – | – | – | – | – | – |
| Zygophyllaceae | *Tribulus occidentalis* | – | 0.17 (1.5) | 0.12 (1.5) | – | – | – | – | 0.17 (8.95) | – | – | – | – |
| Zygophyllaceae | *Tribulus platypterus* | 0.15 (1.5) | – | – | 0.05 (1.5) | – | 0.2 (1.5) | – | – | – | – | – | – |
| Zygophyllaceae | *Tribulus suberosus* | 0.46 (1.5) | – | 0.5 (1.5) | 0.38 (1.5) | – | 0.2 (1.5) | – | 0.75 (1.5) | 0.61 (1.9) | 0.2 (1.5) | 0.17 (1.5) | 0.19 (1.5) |
| Zygophyllaceae | *Tribulus terrestris* | 0.08 (1.5) | – | – | – | – | 0.2 (1.5) | – | – | – | – | – | – |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acanthaceae | *Dicladanthera forrestii* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | – | 0.12 (1.97) |
| Acanthaceae | *Dipteracanthus australasicus* subsp. *australasicus* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Acanthaceae | *Rostellularia adscendens* var. *clementii* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Aizoaceae | *Trianthema oxycalyptrum* var. *oxycalyptrum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Aizoaceae | *Trianthema pilosum* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Aizoaceae | *Trianthema triquetrum* | – | – | – | – | – | – | – | – | – | – | – | 0.08 (1.5) |
| Aizoaceae | *Trianthema turgidifolium* | – | – | – | – | – | – | – | – | – | – | – | – |
| Aizoaceae | *Zaleya galericulata* subsp. *galericulata* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | – | 0.02 (1.5) |
| Amaranthaceae | *Achyranthes aspera* | – | – | – | – | – | – | – | – | – | – | – | 0.08 (1.5) |
| Amaranthaceae | *Aerva javanica* | – | – | – | 0.08 (1.5) | – | – | 1 (1.5) | 0.33 (1.5) | 0.11 (1.5) | – | 0.01 (2.9) | 0.35 (1.93) |
| Amaranthaceae | *Alternanthera nana* | – | – | – | – | – | – | – | – | 0.22 (1.5) | – | – | 0.42 (1.63) |
| Amaranthaceae | *Alternanthera nodiflora* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Amaranthaceae | *Amaranthus cuspidifolius* | – | – | – | 0.08 (1.5) | 0.12 (1.5) | – | – | 0.17 (1.5) | 0.11 (1.5) | 0.18 (1.5) | 0.01 (1.5) | 0.29 (1.5) |
| Amaranthaceae | *Amaranthus undulatus* | – | – | – | 0.08 (1.5) | – | – | – | 0.17 (1.5) | 0.22 (1.5) | 0.18 (1.5) | 0.01 (1.5) | 0.38 (1.5) |
| Amaranthaceae | *Gomphrena affinis* subsp. *pilbarensis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Gomphrena canescens* subsp. *canescens* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Amaranthaceae | *Gomphrena cunninghamii* | – | – | – | 0.08 (1.5) | – | – | 1 (1.5) | 0.33 (1.5) | 0.11 (1.5) | 0.82 (1.5) | 0.14 (1.5) | 0.56 (1.5) |
| Amaranthaceae | *Gomphrena kanisii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Ptilotus aervoides* | – | – | 0.14 (1.5) | – | – | – | – | – | – | – | 0.07 (1.5) | 0.08 (1.5) |
| Amaranthaceae | *Ptilotus appendiculatus* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Amaranthaceae | *Ptilotus astrolasius* | 0.5 (2.2) | – | 0.14 (1.5) | 0.33 (1.5) | 0.12 (1.5) | – | – | – | 0.56 (1.5) | 0.55 (1.5) | 0.31 (1.63) | 0.13 (1.5) |
| Amaranthaceae | *Ptilotus auriculifolius* | – | – | – | 0.17 (1.5) | 0.12 (1.5) | – | 1 (1.5) | 0.5 (1.5) | – | 0.45 (3.6) | 0.17 (1.74) | 0.33 (1.83) |
| Amaranthaceae | *Ptilotus axillaris* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Ptilotus calostachyus* | 0.12 (1.5) | – | 0.57 (1.5) | 0.5 (1.5) | 0.25 (1.5) | – | 1 (1.5) | 0.33 (1.5) | 0.67 (1.5) | 0.27 (1.5) | 0.75 (2.07) | 0.06 (1.5) |
| Amaranthaceae | *Ptilotus clementii* | – | – | 0.14 (1.5) | 0.17 (1.5) | 0.62 (2.06) | – | 0.33 (1.5) | 0.17 (1.5) | – | 0.27 (4.07) | 0.14 (1.5) | 0.12 (1.5) |
| Amaranthaceae | *Ptilotus exaltatus* | 0.38 (2.43) | – | 0.57 (1.5) | – | 0.75 (1.97) | – | 1 (1.5) | – | 0.22 (1.5) | 0.55 (1.97) | 0.43 (1.59) | 0.63 (1.84) |
| Amaranthaceae | *Ptilotus fusiformis* | – | – | 0.14 (1.5) | – | – | – | – | – | 0.33 (1.5) | 0.55 (2.78) | 0.37 (1.66) | 0.08 (1.5) |
| Amaranthaceae | *Ptilotus helipteroides* | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) | 0.06 (1.5) |
| Amaranthaceae | *Ptilotus incanus* | – | – | – | 0.17 (1.5) | – | – | – | – | 0.44 (1.5) | – | 0.02 (2.43) | – |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Amaranthaceae | *Ptilotus mollis* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Amaranthaceae | *Ptilotus obovatus* var. *obovatus* | 0.12 (9.2) | 0.33 (1.5) | 0.43 (1.5) | 0.25 (2.43) | 0.25 (1.5) | – | 1 (5) | 0.67 (2.2) | – | 0.64 (2.7) | 0.19 (1.72) | 0.42 (1.75) |
| Amaranthaceae | *Ptilotus polystachyus* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | 0.03 (1.5) | – |
| Amaranthaceae | *Ptilotus rotundifolius* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Amaranthaceae | *Ptilotus schwartzii* var. *schwartzii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Amaranthaceae | *Ptilotus xerophilus* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Apocynaceae | *Cynanchum floribundum* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Apocynaceae | *Cynanchum viminale* subsp. *australe* | – | – | – | – | – | – | 0.33 (1.5) | – | – | – | 0.01 (1.5) | – |
| Apocynaceae | *Vincetoxicum flexuosum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Apocynaceae | *Vincetoxicum lineare* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | – | 0.02 (1.5) |
| Araliaceae | *Astrotricha hamptonii* | – | – | – | – | – | – | – | – | – | 0.36 (1.5) | 0.04 (1.5) | 0.02 (1.5) |
| Araliaceae | *Trachymene oleracea* subsp. *oleracea* | 0.25 (1.5) | – | – | 0.33 (1.5) | 0.38 (1.5) | – | – | – | 0.33 (1.5) | 1 (1.75) | 0.42 (1.6) | 0.56 (1.86) |
| Araliaceae | *Trachymene pilbarensis* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.04 (1.5) |
| Asteraceae | *Apowollastonia hamersleyensis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Asteraceae | *Bidens bipinnata* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | 0.01 (1.5) | 0.25 (2.15) |
| Asteraceae | *Blumea ?tenella* | – | – | – | – | – | – | – | – | – | – | – | – |
| Asteraceae | *Brachyscome iberidifolia* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Asteraceae | *Calocephalus beardii* | 0.12 (1.5) | – | – | – | – | – | – | – | – | – | 0.04 (1.5) | – |
| Asteraceae | *Calocephalus knappii* | 0.12 (1.5) | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Asteraceae | *Calotis hispidula* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Asteraceae | *Calotis plumulifera* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Asteraceae | *Calotis porphyroglossa* | – | – | – | – | – | – | – | – | – | – | – | – |
| Asteraceae | *Centipeda minima* subsp. *macrocephala* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Asteraceae | *Cyanthillium gracile* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | 0.01 (1.5) | 0.02 (1.5) |
| Asteraceae | *Flaveria trinervia* | – | – | – | 0.08 (1.5) | 0.12 (1.5) | – | – | 0.17 (1.5) | – | – | – | 0.19 (1.5) |
| Asteraceae | *Gnephosis brevifolia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Asteraceae | *Ixiochlamys cuneifolia* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | – | 0.04 (1.5) |
| Asteraceae | *Pentalepis trichodesmoides* subsp. *hispida* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | – | – |
| Asteraceae | *Pluchea dentex* | – | – | – | – | – | – | – | – | 0.67 (2.9) | 0.09 (4.3) | 0.01 (1.5) | 0.25 (1.93) |
| Asteraceae | *Pluchea rubelliflora* | – | – | – | – | – | – | – | – | – | – | – | 0.13 (2.3) |
| Asteraceae | *Pterocaulon serrulatum* var. *velutinum* | – | – | – | – | – | – | – | 0.5 (1.5) | – | – | 0.02 (1.5) | 0.06 (1.5) |
| Asteraceae | *Pterocaulon sphacelatum* | – | – | – | 0.17 (1.5) | 0.25 (1.5) | – | – | 0.33 (1.5) | 0.67 (2.43) | 0.27 (1.5) | 0.03 (1.5) | 0.5 (1.93) |
| Asteraceae | *Rhodanthe margarethae* | – | – | – | 0.08 (1.5) | – | – | – | – | – | 0.18 (1.5) | 0.01 (1.5) | – |
| Asteraceae | *Sigesbeckia orientalis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Asteraceae | *Sonchus oleraceus* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Asteraceae | *Streptoglossa bubakii* | – | 0.33 (1.5) | – | – | – | – | – | – | – | 0.09 (1.5) | 0.01 (1.5) | 0.02 (1.5) |
| Asteraceae | *Streptoglossa decurrens* | 0.12 (1.5) | – | – | – | – | – | 0.33 (1.5) | – | – | 0.09 (1.5) | 0.02 (1.5) | 0.08 (1.5) |
| Boraginaceae | *Ehretia saligna* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Boraginaceae | *Euploca ?cunninghamii* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Boraginaceae | *Euploca chrysocarpa* | – | – | – | – | 0.5 (2.2) | – | – | – | – | – | – | – |
| Boraginaceae | *Euploca heterantha* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Boraginaceae | *Euploca inexplicita* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Boraginaceae | *Euploca ovalifolia* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Boraginaceae | *Euploca skeleton* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | 0.01 (1.5) | – |
| Boraginaceae | *Euploca tenuifolia* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Boraginaceae | *Heliotropium ammophilum* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Boraginaceae | *Heliotropium crispatum* | – | 0.33 (1.5) | – | – | 0.12 (1.5) | – | – | – | – | 0.09 (1.5) | 0.01 (1.5) | 0.17 (1.5) |
| Boraginaceae | *Trichodesma zeylanicum* var. *zeylanicum* | 0.25 (1.5) | 0.33 (1.5) | 0.29 (1.5) | 0.33 (1.5) | 0.25 (1.5) | – | – | 0.33 (1.5) | 0.89 (1.5) | 0.73 (1.5) | 0.12 (1.5) | 0.6 (1.77) |
| Brassicaceae | *Lepidium muelleri-ferdinandi* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Brassicaceae | *Lepidium oxytrichum* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | 0.01 (1.5) | 0.06 (1.5) |
| Brassicaceae | *Lepidium pedicellosum* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Brassicaceae | *Lepidium phlebopetalum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Brassicaceae | *Lepidium pholidogynum* | – | – | – | – | 0.25 (1.5) | – | – | – | – | – | 0.01 (1.5) | – |
| Brassicaceae | *Lepidium platypetalum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Campanulaceae | *Lobelia arnhemiaca* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.04 (1.5) |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Campanulaceae | *Lobelia heterophylla* subsp. *pilbarensis* | – | – | – | – | – | – | – | – | – | 0.18 (1.5) | 0.01 (1.5) | – |
| Campanulaceae | *Wahlenbergia caryophylloides* | – | – | – | – | – | – | – | – | – | – | – | – |
| Campanulaceae | *Wahlenbergia tumidifructa* | – | – | – | – | – | – | – | – | 0.11 (4.3) | – | – | 0.06 (1.5) |
| Capparaceae | *Capparis lasiantha* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (4.3) |
| Capparaceae | *Capparis spinosa* subsp. *nummularia* | – | – | – | – | – | – | 0.33 (1.5) | – | – | – | 0.01 (1.5) | 0.17 (1.5) |
| Caryophyllaceae | *Polycarpaea corymbosa* var. *corymbosa* | – | – | – | – | – | – | – | – | – | – | 0.07 (1.5) | 0.13 (1.5) |
| Caryophyllaceae | *Polycarpaea holtzei* | – | – | – | 0.08 (1.5) | – | – | – | – | 0.11 (1.5) | 0.18 (1.5) | 0.22 (1.68) | 0.02 (1.5) |
| Caryophyllaceae | *Polycarpaea longiflora* | – | – | 0.14 (1.5) | 0.42 (1.5) | 0.12 (1.5) | – | – | 0.33 (1.5) | 0.89 (1.5) | 0.82 (1.5) | 0.2 (1.9) | 0.75 (1.64) |
| Celastraceae | *Stackhousia intermedia* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Celastraceae | *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | – | – | 0.14 (4.3) | – | 0.88 (2.3) | – | – | – | – | – | 0.01 (1.5) | – |
| Chenopodiaceae | *Dysphania melanocarpa forma leucocarpa* | – | – | – | – | – | – | – | – | – | – | – | 0.08 (1.5) |
| Chenopodiaceae | *Dysphania melanocarpa forma melanocarpa* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Chenopodiaceae | *Dysphania rhadinostachya* subsp. *inflata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Chenopodiaceae | *Dysphania rhadinostachya* subsp. *rhadinostachya* | 1 (3.16) | – | 0.57 (1.5) | 0.58 (2.7) | 0.88 (1.9) | – | 0.33 (1.5) | – | 0.78 (1.9) | 0.82 (2.74) | 0.69 (1.88) | 0.58 (2.79) |
| Chenopodiaceae | *Dysphania sphaerosperma* | – | – | – | 0.08 (1.5) | 0.5 (1.5) | – | – | – | – | – | – | – |
| Chenopodiaceae | *Enchylaena tomentosa* var. *tomentosa* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Chenopodiaceae | *Maireana ?georgei* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | – | – |
| Chenopodiaceae | *Maireana melanocoma* | – | – | – | – | – | 0.5 (1.5) | – | – | – | – | – | – |
| Chenopodiaceae | *Maireana planifolia* | – | – | 0.14 (1.5) | – | – | – | – | – | – | – | 0.01 (1.5) | 0.02 (1.5) |
| Chenopodiaceae | *Maireana triptera* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Chenopodiaceae | *Maireana villosa* | – | – | – | – | – | – | 0.33 (1.5) | – | – | – | 0.01 (1.5) | – |
| Chenopodiaceae | *Rhagodia eremaea* | – | – | – | 0.08 (1.5) | – | – | – | – | – | 0.09 (1.5) | – | 0.04 (1.5) |
| Chenopodiaceae | *Salsola australis* | – | – | 0.14 (1.5) | 0.08 (1.5) | 0.25 (1.5) | – | – | – | 0.11 (1.5) | – | – | 0.23 (1.73) |
| Chenopodiaceae | *Sclerolaena costata* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Chenopodiaceae | *Sclerolaena densiflora* | – | – | – | – | 0.25 (1.5) | 0.5 (4.3) | – | – | – | – | 0.01 (1.5) | – |
| Chenopodiaceae | *Sclerolaena diacantha* | – | – | – | – | – | – | – | – | – | – | – | – |
| Chenopodiaceae | *Sclerolaena eriacantha* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | 0.01 (1.5) | – |
| Chenopodiaceae | *Sclerolaena lanicuspis* | – | – | 0.14 (1.5) | – | – | – | – | – | – | – | – | – |
| Cleomaceae | *Arivela viscosa* | 0.5 (2.2) | – | 0.29 (1.5) | 0.67 (1.5) | 0.25 (1.5) | – | 1 (1.5) | 0.33 (1.5) | 1 (1.5) | 0.82 (1.5) | 0.16 (1.75) | 0.88 (3.01) |
| Combretaceae | *Terminalia supranitifolia* | – | 1 (8.33) | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Commelinaceae | *Commelina ensifolia* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Convolvulaceae | *Bonamia erecta* | – | – | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Bonamia pannosa* | – | – | – | – | – | – | – | – | – | – | – | – |
| Convolvulaceae | *Bonamia pilbarensis* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | 0.07 (1.5) | 0.02 (1.5) |
| Convolvulaceae | *Bonamia rosea* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Convolvulaceae | *Convolvulus clementii* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Convolvulaceae | *Duperreya commixta* | 0.12 (1.5) | – | – | 0.17 (1.5) | 0.12 (1.5) | – | 0.33 (1.5) | 0.67 (1.5) | 0.22 (1.5) | 0.36 (1.5) | 0.02 (1.5) | 0.5 (1.61) |
| Convolvulaceae | *Evolvulus alsinoides* var. *decumbens* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Convolvulaceae | *Evolvulus alsinoides* var. *villosicalyx* | – | – | – | 0.08 (1.5) | 0.12 (1.5) | – | – | 0.5 (1.5) | – | 0.18 (1.5) | 0.02 (1.5) | 0.23 (1.5) |
| Convolvulaceae | *Ipomoea calobra* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Convolvulaceae | *Ipomoea muelleri* | 0.12 (1.5) | – | – | – | – | – | – | – | – | – | – | 0.25 (1.5) |
| Convolvulaceae | *Ipomoea polymorpha* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Convolvulaceae | *Ipomoea racemigera* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Convolvulaceae | *Operculina aequisepala* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Convolvulaceae | *Polymeria ?mollis* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Convolvulaceae | *Polymeria ambigua* | – | – | – | – | – | – | – | – | 0.78 (1.5) | – | 0.01 (1.5) | 0.33 (1.66) |
| Cucurbitaceae | *Citrullus ?colocynthis* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Cucurbitaceae | *Cucumis melo* | – | – | – | – | – | – | – | 0.5 (1.5) | – | – | – | 0.08 (3.42) |
| Cucurbitaceae | *Cucumis variabilis* | 0.38 (1.5) | 0.33 (1.5) | – | 0.08 (1.5) | 0.25 (1.5) | – | 0.67 (1.5) | – | 0.44 (1.5) | 0.18 (1.5) | 0.04 (1.5) | 0.75 (1.79) |
| Cucurbitaceae | *Trichosanthes cucumerina* var. *cucumerina* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cyperaceae | *Bulbostylis barbata* | – | – | – | – | – | – | – | 0.17 (1.5) | 0.11 (1.5) | 0.45 (1.5) | 0.16 (1.5) | 0.15 (1.5) |
| Cyperaceae | *Cyperus cunninghamii* subsp. *cunninghamii* | – | – | – | 0.08 (1.5) | – | – | – | 0.33 (1.5) | – | 0.18 (1.5) | 0.01 (1.5) | 0.02 (1.5) |
| Cyperaceae | *Cyperus dactylotes* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Cyperaceae | *Cyperus difformis* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Cyperaceae | *Cyperus hesperius* | – | – | – | – | – | – | – | – | 0.22 (1.5) | 0.82 (1.81) | 0.09 (2.2) | 0.02 (1.5) |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyperaceae | *Cyperus iria* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Cyperaceae | *Cyperus leptocarpus* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Cyperaceae | *Cyperus pulchellus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cyperaceae | *Cyperus squarrosus* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Cyperaceae | *Cyperus vaginatus* | – | – | – | – | – | – | – | – | – | – | – | 0.38 (4.12) |
| Cyperaceae | *Fimbristylis dichotoma* | – | – | – | – | – | – | – | – | – | – | 0.07 (2.62) | 0.02 (1.5) |
| Cyperaceae | *Fimbristylis microcarya* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Cyperaceae | *Fimbristylis sieberiana* | – | – | – | – | – | – | – | – | – | – | – | – |
| Cyperaceae | *Fimbristylis simulans* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Cyperaceae | *Schoenoplectus subulatus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Dilleniaceae | *Hibbertia glaberrima* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Droseraceae | *Drosera finlaysoniana* | – | – | – | – | – | – | – | – | – | – | – | – |
| Elatinaceae | *Bergia pedicellaris* | – | – | – | – | – | – | – | – | – | – | – | – |
| Euphorbiaceae | *Adriana tomentosa* var. *tomentosa* | – | – | – | – | – | – | – | – | – | – | – | 0.1 (2.06) |
| Euphorbiaceae | *Euphorbia australis* var. *subtomentosa* | 0.12 (1.5) | – | 0.29 (1.5) | – | 0.38 (1.5) | – | 0.33 (1.5) | – | – | – | 0.01 (1.5) | 0.19 (1.93) |
| Euphorbiaceae | *Euphorbia biconvexa* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | 0.01 (1.5) | 0.46 (1.5) |
| Euphorbiaceae | *Euphorbia boophthona* | – | – | – | 0.08 (1.5) | 0.12 (1.5) | – | – | – | 0.22 (1.5) | 0.09 (1.5) | 0.06 (1.5) | 0.19 (1.78) |
| Euphorbiaceae | *Euphorbia careyi* | – | – | – | – | – | – | – | 0.17 (1.5) | – | 0.09 (1.5) | 0.03 (1.5) | 0.12 (1.5) |
| Euphorbiaceae | *Euphorbia coghlanii* | – | – | – | – | – | – | – | – | – | – | – | 0.08 (1.5) |
| Euphorbiaceae | *Euphorbia tannensis* subsp. *eremophila* | 0.12 (1.5) | – | – | – | – | – | – | 0.5 (1.5) | 0.11 (1.5) | 0.09 (1.5) | 0.01 (1.5) | 0.15 (1.5) |
| Euphorbiaceae | *Euphorbia trigonosperma* | – | – | – | – | – | – | – | – | 0.44 (1.5) | – | 0.01 (1.5) | 0.12 (1.5) |
| Euphorbiaceae | *Euphorbia vaccaria* var. *vaccaria* | – | – | – | – | – | – | – | 0.17 (1.5) | 0.11 (1.5) | – | – | 0.04 (1.5) |
| Fabaceae | *Acacia adoxa var. adoxa* | – | – | – | – | – | – | – | – | – | – | 0.01 (4.3) | – |
| Fabaceae | *Acacia ampliceps* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Fabaceae | *Acacia ancistrocarpa* | 0.62 (7.24) | – | – | – | – | – | – | – | 0.33 (5) | 0.09 (1.5) | 0.1 (2.85) | 0.1 (2.62) |
| Fabaceae | *Acacia aneura* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia aptaneura* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | 0.01 (1.5) | 0.02 (1.5) |
| Fabaceae | *Acacia arida* | 0.25 (1.5) | 0.33 (16.4) | – | – | 0.38 (2.43) | – | – | 0.67 (1.5) | 0.11 (1.5) | 0.27 (4.07) | 0.64 (8.21) | 0.23 (1.97) |
| Fabaceae | *Acacia atkinsiana* | – | – | – | – | – | – | – | – | – | – | 0.02 (9.03) | – |
| Fabaceae | *Acacia balsamea* | – | – | – | – | – | – | – | – | – | – | 0.01 (16.4) | – |
| Fabaceae | *Acacia bivenosa* | 0.38 (1.5) | – | 0.86 (8.77) | 0.83 (7.86) | 1 (10) | 1 (5.35) | 0.33 (4.3) | 0.67 (2.2) | 1 (2.98) | 0.55 (3.25) | 0.35 (4.3) | 0.46 (2.64) |
| Fabaceae | *Acacia catenulata* subsp. *occidentalis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia citrinoviridis* | 0.62 (3.6) | – | 0.14 (4.3) | 0.25 (2.43) | 0.25 (1.5) | – | 1 (4.3) | 1 (16.05) | 1 (13.46) | 0.27 (2.43) | 0.23 (5.6) | 0.94 (13.3) |
| Fabaceae | *Acacia coriacea* subsp. *pendens* | – | 0.33 (4.3) | – | – | – | – | – | 0.17 (1.5) | 0.22 (1.5) | – | – | 0.42 (3.19) |
| Fabaceae | *Acacia glaucocaesia* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Fabaceae | *Acacia hamersleyensis* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | 0.01 (4.3) | – |
| Fabaceae | *Acacia inaequilatera* | 0.75 (4.18) | – | – | 0.58 (3.8) | 0.5 (3.6) | – | – | 0.67 (1.5) | – | 0.09 (4.3) | 0.2 (2.65) | 0.1 (2.06) |
| Fabaceae | *Acacia kempeana* | – | – | – | – | – | – | – | – | – | – | 0.08 (3.41) | 0.06 (4.07) |
| Fabaceae | *Acacia maitlandii* | – | – | – | – | – | – | – | – | 0.44 (1.5) | 0.09 (1.5) | 0.12 (2.86) | 0.15 (2.2) |
| Fabaceae | *Acacia marramamba* | – | – | – | 0.08 (1.5) | – | – | – | 0.33 (5.35) | – | – | 0.07 (3.39) | – |
| Fabaceae | *Acacia monticola* | – | – | – | – | – | – | – | – | 0.44 (2.2) | 0.09 (1.5) | 0.01 (2.9) | 0.02 (1.5) |
| Fabaceae | *Acacia pruinocarpa* | 0.12 (1.5) | – | 0.29 (2.9) | 0.33 (1.5) | – | – | 0.33 (4.3) | 0.5 (7.4) | – | 0.82 (4.22) | 0.59 (4.54) | 0.1 (2.06) |
| Fabaceae | *Acacia ptychophylla* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | 0.06 (2.46) | – |
| Fabaceae | *Acacia pyrifolia* var. *morrisonii* | – | – | 0.14 (4.3) | – | – | – | – | – | – | – | 0.01 (1.5) | 0.04 (2.9) |
| Fabaceae | *Acacia pyrifolia* var. *pyrifolia* | 0.62 (1.5) | – | 0.14 (1.5) | – | – | – | – | – | 0.56 (4.16) | 0.55 (1.97) | 0.09 (2.67) | 0.81 (3.6) |
| Fabaceae | *Acacia retivenea* subsp. *clandestina* | – | – | – | – | – | – | – | – | 0.33 (1.5) | 0.55 (3.72) | 0.13 (2.28) | – |
| Fabaceae | *Acacia sericophylla* | – | 0.33 (1.5) | 0.14 (1.5) | 0.17 (1.5) | – | – | – | – | – | – | – | 0.02 (4.3) |
| Fabaceae | *Acacia synchronicia* | 0.5 (2.9) | 0.33 (1.5) | 1 (3.5) | 0.67 (2.55) | 0.12 (1.5) | – | 0.33 (4.3) | 0.17 (1.5) | 0.22 (2.9) | 0.36 (1.5) | 0.12 (3.89) | 0.23 (2.2) |
| Fabaceae | *Acacia tetragonophylla* | – | – | 0.29 (1.5) | 0.08 (1.5) | 0.38 (1.5) | 0.5 (1.5) | – | – | – | 0.09 (1.5) | 0.02 (2.43) | 0.06 (1.5) |
| Fabaceae | *Acacia tumida* var. *pilbarensis* | – | – | – | – | – | – | – | – | 0.22 (2.9) | – | 0.03 (2.2) | 0.12 (3.37) |
| Fabaceae | *Acacia victoriae* | 0.12 (1.5) | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia wanyu* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Acacia xiphophylla* | – | – | 0.43 (9.97) | – | – | – | – | – | – | – | 0.01 (2.9) | – |
| Fabaceae | *Alysicarpus muelleri* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Cajanus ?pubescens* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fabaceae | *Cajanus cinereus* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Fabaceae | *Crotalaria medicaginea* var. *neglecta* | – | – | – | – | – | – | – | – | 0.33 (1.5) | – | – | 0.44 (1.5) |
| Fabaceae | *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | – | – | – | – | – | – | – | – | 0.22 (1.5) | 0.18 (1.5) | 0.01 (1.5) | 0.04 (1.5) |
| Fabaceae | *Cullen graveolens* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Cullen leucochaites* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | 0.01 (1.5) | – |
| Fabaceae | *Glycine canescens* | – | – | – | – | – | – | – | – | – | – | – | 0.15 (1.85) |
| Fabaceae | *Indigofera colutea* | – | – | – | – | – | – | – | – | – | – | – | 0.15 (1.5) |
| Fabaceae | *Indigofera fractiflexa* subsp. *fractiflexa* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | 0.02 (1.5) | – |
| Fabaceae | *Indigofera monophylla* | 0.62 (2.06) | – | 0.29 (2.9) | 0.17 (1.5) | 0.12 (1.5) | – | – | 0.33 (1.5) | 0.78 (4.03) | 0.27 (1.5) | 0.46 (2.87) | 0.25 (1.5) |
| Fabaceae | *Indigofera rivularis* | 0.12 (1.5) | – | – | – | 0.12 (1.5) | – | 0.33 (1.5) | 0.83 (2.62) | – | – | 0.01 (1.5) | 0.5 (1.61) |
| Fabaceae | *Indigofera rugosa* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Fabaceae | *Isotropis atropurpurea* | – | – | – | – | – | – | – | – | 0.33 (1.5) | – | – | 0.04 (1.5) |
| Fabaceae | *Petalostylis labicheoides* | 0.12 (1.5) | – | 0.14 (4.3) | – | 0.12 (1.5) | – | – | 0.67 (4.12) | 1 (6.06) | 0.18 (6.75) | 0.28 (2.99) | 0.35 (2.55) |
| Fabaceae | *Rhynchosia bungarensis* | 0.12 (1.5) | 0.33 (1.5) | – | – | – | – | – | 0.33 (1.5) | – | – | – | 0.12 (1.5) |
| Fabaceae | *Rhynchosia minima* | – | – | 0.14 (1.5) | – | – | – | – | 0.17 (1.5) | 0.11 (1.5) | 0.09 (1.5) | 0.01 (1.5) | 0.48 (1.5) |
| Fabaceae | *Senna artemisioides* subsp. *helmsii* | 0.25 (1.5) | – | 0.29 (5.35) | 0.17 (1.5) | 0.25 (1.5) | – | – | – | 0.33 (1.5) | – | 0.02 (1.5) | 0.1 (1.5) |
| Fabaceae | *Senna artemisioides* subsp. *oligophylla* | 0.88 (1.9) | – | 0.43 (1.5) | 0.5 (1.5) | 0.25 (1.5) | – | 0.67 (1.5) | 0.17 (1.5) | 0.78 (1.9) | 0.09 (1.5) | 0.07 (1.5) | 0.42 (2.14) |
| Fabaceae | *Senna artemisioides* subsp. *oligophylla x helmsii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Senna ferraria* | – | – | – | 0.08 (1.5) | – | – | – | 0.5 (1.5) | – | – | 0.01 (1.5) | 0.02 (1.5) |
| Fabaceae | *Senna glutinosa* subsp. *×luerssenii* | 0.38 (1.5) | – | 0.86 (3.03) | 0.33 (2.2) | 0.5 (1.5) | – | – | – | 0.56 (1.5) | 0.27 (1.5) | 0.21 (1.89) | 0.08 (1.5) |
| Fabaceae | *Senna glutinosa* subsp. *glutinosa* | 0.62 (2.06) | 1 (1.5) | 0.43 (2.43) | 0.67 (1.85) | 0.5 (1.5) | 0.5 (1.5) | 0.33 (1.5) | 0.67 (1.5) | 1 (2.12) | 1 (2.52) | 0.57 (1.78) | 0.33 (1.5) |
| Fabaceae | *Senna glutinosa* subsp. *pruinosa* | 0.62 (1.5) | – | 0.43 (1.5) | 0.67 (2.2) | 0.62 (2.06) | – | – | 0.33 (1.5) | 0.11 (1.5) | 0.18 (1.5) | 0.36 (2.3) | 0.06 (1.5) |
| Fabaceae | *Senna notabilis* | 0.12 (1.5) | – | 0.57 (1.5) | – | – | – | – | 0.17 (1.5) | 0.33 (1.5) | 0.09 (1.5) | 0.3 (1.57) | 0.4 (1.63) |
| Fabaceae | *Senna* sp. Meekatharra (E. Bailey 1-26) | – | – | 0.14 (4.3) | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Senna stricta* | – | – | – | – | – | – | – | – | – | – | – | – |
| Fabaceae | *Senna venusta* | – | – | – | – | – | – | – | – | – | 0.18 (1.5) | 0.01 (1.5) | 0.04 (1.5) |
| Fabaceae | *Sesbania cannabina* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Fabaceae | *Sesbania formosa* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Fabaceae | *Swainsona complanata* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | – | 0.08 (1.5) |
| Fabaceae | *Swainsona forrestii* | – | – | – | – | 0.12 (1.5) | – | – | – | – | – | – | 0.06 (1.5) |
| Fabaceae | *Swainsona maccullochiana* | 0.12 (1.5) | – | – | 0.08 (1.5) | 0.12 (4.3) | – | – | – | – | – | – | 0.21 (1.75) |
| Fabaceae | *Tephrosia clementii* | – | – | – | 0.08 (1.5) | – | – | – | – | 0.11 (1.5) | – | 0.09 (1.5) | – |
| Fabaceae | *Tephrosia densa* | – | – | – | – | – | – | – | 0.5 (1.5) | – | – | 0.01 (1.5) | 0.25 (4.01) |
| Fabaceae | *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | – | – | – | 0.08 (1.5) | – | – | – | – | 0.33 (1.5) | – | 0.01 (1.5) | 0.63 (2.33) |
| Fabaceae | *Tephrosia* sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | – | – | – | – | 0.12 (1.5) | – | – | – | – | – | 0.01 (1.5) | 0.02 (1.5) |
| Fabaceae | *Tephrosia supina* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | – | – |
| Fabaceae | *Tephrosia uniovulata* | – | – | – | 0.17 (1.5) | – | – | – | – | 0.44 (1.5) | – | 0.07 (1.5) | – |
| Fabaceae | *Vachellia farnesiana* | – | – | – | – | – | – | – | – | – | – | – | 0.1 (1.5) |
| Fabaceae | *Vigna lanceolata* var. *lanceolata* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Goodeniaceae | *Dampiera candicans* | – | – | – | – | – | – | – | 0.5 (1.5) | 0.67 (1.5) | 0.27 (4.07) | 0.29 (2.13) | – |
| Goodeniaceae | *Goodenia cusackiana* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | 0.03 (1.5) | – |
| Goodeniaceae | *Goodenia forrestii* | 0.12 (1.5) | – | – | – | 0.12 (1.5) | – | – | – | – | – | 0.02 (2.43) | 0.25 (1.5) |
| Goodeniaceae | *Goodenia lamprosperma* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Goodeniaceae | *Goodenia microptera* | – | – | – | – | – | – | – | – | 0.33 (1.5) | – | 0.09 (1.5) | 0.02 (4.3) |
| Goodeniaceae | *Goodenia muelleriana* | 0.12 (1.5) | – | 0.14 (1.5) | – | – | – | – | – | – | – | – | 0.08 (1.5) |
| Goodeniaceae | *Goodenia nuda* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Goodeniaceae | *Goodenia stobbsiana* | – | – | – | – | 0.25 (1.5) | – | 0.33 (1.5) | – | 1 (4.63) | 0.36 (1.5) | 0.51 (2.26) | 0.08 (1.5) |
| Goodeniaceae | *Goodenia tenuiloba* | 0.12 (1.5) | – | – | – | 0.12 (1.5) | – | – | – | – | 0.09 (1.5) | 0.01 (1.5) | – |
| Goodeniaceae | *Goodenia triodiophila* | 0.12 (1.5) | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Goodeniaceae | *Scaevola acacioides* | – | – | – | – | 0.12 (1.5) | – | – | – | – | – | – | – |
| Goodeniaceae | *Scaevola amblyanthera* var. *amblyanthera* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Goodeniaceae | *Scaevola spinescens* | 0.12 (1.5) | – | – | 0.08 (1.5) | 0.12 (1.5) | – | – | – | – | – | – | 0.15 (3.42) |
| Gyrostemonaceae | *Codonocarpus cotinifolius* | 0.12 (1.5) | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.02 (1.5) |
| Haloragaceae | *Haloragis gossei* var. *gossei* | – | – | – | – | 0.88 (1.5) | – | – | – | 0.44 (1.5) | 0.64 (1.5) | 0.21 (1.6) | 0.04 (1.5) |
| Haloragaceae | *Haloragis trigonocarpa* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lamiaceae | *Clerodendrum floribundum* var. *angustifolium* | – | 0.33 (1.5) | – | – | 0.25 (1.5) | – | – | 0.17 (1.5) | 0.22 (1.5) | 0.27 (1.5) | 0.04 (1.5) | 0.1 (1.5) |
| Lamiaceae | *Clerodendrum tomentosum* var. *lanceolatum* | – | – | – | 0.17 (1.5) | – | – | – | 0.17 (1.5) | – | 0.09 (1.5) | 0.01 (1.5) | 0.08 (2.2) |
| Lamiaceae | *Prostanthera albiflora* | – | – | – | – | – | – | – | – | – | – | – | – |
| Lamiaceae | *Teucrium ?teucriiflorum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Loranthaceae | *Amyema benthamii* | – | – | 0.14 (1.5) | – | – | – | – | – | 0.11 (1.5) | – | – | – |
| Loranthaceae | *Amyema hilliana* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Loranthaceae | *Amyema preissii* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | 0.01 (1.5) | – |
| Lythraceae | *Ammannia baccifera* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Lythraceae | *Ammannia multiflora* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Lythraceae | *Rotala diandra* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Abutilon amplum* | – | – | – | – | – | – | – | – | – | – | – | 0.13 (1.5) |
| Malvaceae | *Abutilon cryptopetalum* | – | – | 0.14 (1.5) | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Abutilon cunninghamii* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Malvaceae | *Abutilon fraseri* subsp. *fraseri* | – | – | – | – | 0.12 (1.5) | – | – | 0.83 (2.06) | – | – | 0.04 (1.5) | 0.35 (1.5) |
| Malvaceae | *Abutilon lepidum* | – | – | – | 0.08 (4.3) | – | – | – | 0.17 (1.5) | – | – | – | 0.17 (1.5) |
| Malvaceae | *Abutilon macrum* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Malvaceae | *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | – | – | – | – | – | – | – | – | 0.67 (2.43) | 0.73 (3.6) | 0.02 (1.5) | 0.1 (1.5) |
| Malvaceae | *Abutilon* sp. Pilbara (W.R. Barker 2025) | – | – | – | – | – | – | – | – | 0.22 (1.5) | 0.09 (1.5) | – | 0.04 (1.5) |
| Malvaceae | *Brachychiton acuminatus* | – | 0.33 (4.3) | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Brachychiton gregorii* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (4.3) |
| Malvaceae | *Corchorus crozophorifolius* | – | 1 (2.43) | – | 0.33 (1.5) | 0.12 (1.5) | – | 1 (6.63) | 0.5 (1.5) | 0.33 (2.43) | 0.64 (2.3) | 0.04 (1.5) | 0.81 (3.09) |
| Malvaceae | *Corchorus laniflorus* | 0.62 (2.06) | – | 0.43 (3.37) | 0.17 (1.5) | 0.12 (1.5) | – | 0.33 (4.3) | – | 0.67 (1.5) | 0.27 (1.5) | 0.15 (2.48) | 0.27 (2.3) |
| Malvaceae | *Corchorus lasiocarpus* subsp. *lasiocarpus* | 0.12 (1.5) | – | – | – | – | 0.5 (4.3) | – | – | – | – | 0.08 (2.01) | 0.06 (1.5) |
| Malvaceae | *Corchorus lasiocarpus* subsp. *parvus* | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) | 0.06 (1.5) |
| Malvaceae | *Corchorus tectus* | – | – | – | 0.17 (1.5) | – | – | 0.67 (2.9) | 0.67 (5.22) | 1 (6.29) | 0.73 (2.9) | 0.46 (3.93) | 0.08 (1.5) |
| Malvaceae | *Corchorus tridens* | – | – | – | – | – | – | – | – | – | – | – | 0.15 (1.5) |
| Malvaceae | *Gossypium australe* | 0.25 (1.5) | – | – | 0.08 (1.5) | – | – | 0.67 (2.9) | 0.17 (1.5) | – | – | – | 0.31 (1.5) |
| Malvaceae | *Gossypium robinsonii* | 0.25 (1.5) | – | – | – | – | – | 0.33 (4.3) | 0.67 (1.5) | 1 (6.6) | 0.09 (1.5) | 0.04 (1.97) | 0.9 (2.59) |
| Malvaceae | *Hibiscus burtonii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Hibiscus coatesii* | – | – | 0.14 (1.5) | 0.25 (1.5) | – | – | – | 0.5 (1.5) | 0.33 (2.43) | 0.36 (1.5) | 0.19 (1.5) | 0.1 (1.5) |
| Malvaceae | *Hibiscus goldsworthii* | – | – | – | 0.08 (1.5) | – | – | – | 0.67 (1.5) | – | 0.45 (2.06) | 0.01 (1.5) | – |
| Malvaceae | *Hibiscus leptocladus* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | – | – |
| Malvaceae | *Hibiscus* sp. Gardneri (A.L. Payne PRP 1435) | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Hibiscus sturtii* var. *campylochlamys* | 0.25 (1.5) | – | 0.14 (1.5) | 0.08 (1.5) | 0.12 (1.5) | – | – | – | 1 (2.12) | 0.27 (1.5) | 0.09 (1.5) | 0.12 (1.5) |
| Malvaceae | *Malvastrum americanum* | – | – | – | – | – | – | – | – | – | – | – | 0.29 (1.87) |
| Malvaceae | *Melhania oblongifolia* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | – | 0.13 (1.5) |
| Malvaceae | *Seringia exastia* | – | – | – | – | – | – | – | – | – | – | 0.03 (1.5) | – |
| Malvaceae | *Seringia nephrosperma* | – | – | – | – | – | – | – | – | 0.22 (1.5) | – | 0.03 (1.5) | – |
| Malvaceae | *Sida ?arenicola* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Sida arsiniata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Sida echinocarpa* | 0.38 (2.43) | – | – | – | – | – | – | – | 0.11 (1.5) | – | 0.04 (1.5) | 0.19 (1.78) |
| Malvaceae | *Sida fibulifera* | 0.12 (1.5) | – | 0.29 (1.5) | – | 0.25 (1.5) | – | – | – | 0.11 (1.5) | – | – | 0.23 (1.73) |
| Malvaceae | *Sida rohlenae* subsp. *rohlenae* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | 0.01 (1.5) | 0.1 (1.5) |
| Malvaceae | *Sida* sp. dark green fruits (S. van Leeuwen 2260) | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Sida* sp. Hamersley Range (K. Newbey 10692) | – | – | – | – | – | – | – | – | – | 0.18 (1.5) | 0.01 (1.5) | 0.02 (1.5) |
| Malvaceae | *Sida* sp. L (A.M. Ashby 4202) | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Malvaceae | *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | – | – | – | 0.08 (1.5) | – | – | 0.33 (1.5) | 0.17 (1.5) | 0.89 (2.46) | 0.45 (2.06) | 0.32 (1.63) | – |
| Malvaceae | *Sida* sp. Shovelanna Hill (S. van Leeuwen 3842) | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Malvaceae | *Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90) | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.08 (1.5) |
| Malvaceae | *Sida spinosa* | – | – | – | – | – | – | – | – | – | – | – | – |
| Malvaceae | *Triumfetta ?appendiculata* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Malvaceae | *Triumfetta chaetocarpa* | – | 1 (1.5) | – | 0.08 (1.5) | 0.12 (1.5) | – | – | 0.17 (1.5) | 0.44 (2.2) | 0.73 (1.85) | 0.07 (3.04) | 0.1 (1.5) |
| Malvaceae | *Triumfetta clementii* | – | – | – | 0.08 (1.5) | 0.12 (1.5) | – | – | 0.17 (1.5) | 0.22 (1.5) | – | 0.01 (1.5) | 0.21 (1.5) |
| Malvaceae | *Triumfetta maconochieana* | – | – | – | – | – | – | – | 0.17 (1.5) | 0.78 (2.3) | 0.82 (1.81) | 0.17 (2.32) | 0.04 (1.5) |
| Malvaceae | *Triumfetta propinqua* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | 0.01 (1.5) | 0.1 (1.5) |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Malvaceae | *Waltheria indica* | – | – | – | – | – | – | – | – | – | – | – | 0.23 (1.5) |
| Menispermaceae | *Tinospora smilacina* | – | 0.33 (1.5) | – | – | – | – | 0.33 (1.5) | 0.17 (1.5) | – | – | 0.01 (1.5) | 0.04 (1.5) |
| Molluginaceae | *Trigastrotheca molluginea* | 0.38 (1.5) | – | – | 0.08 (1.5) | – | – | – | 0.17 (1.5) | 0.56 (1.5) | 0.09 (1.5) | 0.07 (1.5) | 0.08 (1.5) |
| Montiaceae | *Calandrinia ptychosperma* | – | – | – | – | – | – | – | – | – | – | – | 0.1 (1.5) |
| Montiaceae | *Calandrinia schistorhiza* | – | – | – | – | – | – | – | – | – | – | – | – |
| Moraceae | *Ficus aculeata var. indecora* | – | – | – | – | – | – | – | – | – | – | – | – |
| Moraceae | *Ficus brachypoda* | – | – | – | – | – | – | 0.67 (1.5) | – | – | 0.45 (1.5) | 0.01 (1.5) | 0.04 (2.9) |
| Moraceae | *Ficus platypoda* | – | – | – | – | – | – | – | – | – | – | – | – |
| Moraceae | *Ficus virens* | – | – | – | – | – | – | – | – | – | – | – | – |
| Myrtaceae | *Corymbia ferriticola* | – | – | – | – | – | – | 0.33 (1.5) | – | – | 0.36 (4.82) | – | 0.02 (4.3) |
| Myrtaceae | *Corymbia hamersleyana* | 0.5 (7.85) | 0.67 (4.3) | 0.14 (4.3) | 0.17 (1.5) | 0.12 (4.3) | – | – | – | 0.11 (4.3) | – | 0.08 (3.47) | 0.13 (2.7) |
| Myrtaceae | *Eucalyptus camaldulensis* subsp. *refulgens* | – | – | – | – | – | – | – | – | – | – | – | 0.37 (9.92) |
| Myrtaceae | *Eucalyptus leucophloia* subsp. *leucophloia* | 0.12 (1.5) | 1 (3.37) | 0.57 (8.55) | 0.92 (4.43) | 1 (5.18) | 1 (2.9) | 1 (4.07) | 0.67 (3.6) | 1 (5.31) | 1 (4.94) | 0.85 (4.6) | 0.06 (3.37) |
| Myrtaceae | *Eucalyptus socialis* subsp. *eucentrica* | – | – | – | – | – | – | – | – | – | – | – | – |
| Myrtaceae | *Eucalyptus trivalva* | – | – | – | – | – | – | – | 0.17 (4.3) | – | – | 0.01 (1.5) | – |
| Myrtaceae | *Eucalyptus victrix* | – | – | – | – | – | – | – | – | 0.22 (1.5) | – | – | 0.71 (6.12) |
| Myrtaceae | *Eucalyptus xerothermica* | – | – | – | – | 0.12 (4.3) | – | – | – | – | – | 0.01 (1.5) | – |
| Myrtaceae | *Melaleuca argentea* | – | – | – | – | – | – | – | – | – | – | – | 0.08 (9.77) |
| Myrtaceae | *Melaleuca bracteata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Myrtaceae | *Melaleuca eleuterostachya* | – | – | – | – | 0.12 (4.3) | 0.5 (16.4) | – | – | – | – | – | – |
| Myrtaceae | *Melaleuca glomerata* | 0.12 (1.5) | – | – | – | – | – | – | – | 0.11 (1.5) | – | – | 0.33 (10.64) |
| Myrtaceae | *Melaleuca linophylla* | – | – | – | – | – | – | – | – | – | – | – | 0.13 (10.09) |
| Nyctaginaceae | *Boerhavia burbidgeana* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Nyctaginaceae | *Boerhavia coccinea* | – | – | – | 0.08 (1.5) | 0.12 (1.5) | – | – | 0.33 (1.5) | 0.33 (1.5) | – | 0.02 (2.43) | 0.67 (1.9) |
| Nyctaginaceae | *Boerhavia gardneri* | – | 0.33 (1.5) | – | – | – | – | 1 (2.43) | – | – | – | – | 0.06 (1.5) |
| Oleaceae | *Jasminum didymum* subsp. *lineare* | 0.5 (1.5) | 1 (1.5) | 0.14 (1.5) | 0.58 (1.5) | 0.5 (1.5) | – | 1 (1.5) | 0.83 (1.5) | 0.78 (2.7) | 0.82 (1.5) | 0.2 (1.5) | 0.71 (1.65) |
| Orobanchaceae | *Striga curviflora* | – | – | – | – | – | – | – | – | – | – | – | – |
| Papaveraceae | *Argemone ochroleuca* subsp. *ochroleuca* | – | – | – | – | – | – | – | – | – | – | – | 0.19 (1.5) |
| Passifloraceae | *Passiflora foetida* | – | – | – | – | – | – | – | – | – | – | – | – |
| Phrymaceae | *Mimulus gracilis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Phyllanthaceae | *Dendrophyllanthus erwinii* | 0.25 (1.5) | – | – | – | – | – | – | – | – | 0.09 (1.5) | 0.01 (1.5) | 0.17 (1.5) |
| Phyllanthaceae | *Flueggea virosa* subsp. *melanthesoides* | – | 0.33 (1.5) | – | – | – | – | 0.33 (1.5) | – | 0.67 (3.37) | 0.09 (1.5) | – | 0.25 (1.72) |
| Phyllanthaceae | *Kirganelia baccata* | – | – | – | – | – | – | – | – | – | – | – | 0.1 (4.58) |
| Phyllanthaceae | *Nellica maderaspatensis* | – | – | – | – | – | – | – | 0.17 (1.5) | 0.56 (1.5) | – | 0.01 (1.5) | 0.54 (1.5) |
| Phyllanthaceae | *Notoleptopus decaisnei* var. *decaisnei* | – | – | 0.14 (1.5) | – | 0.12 (1.5) | – | – | 0.33 (1.5) | 0.11 (1.5) | – | 0.01 (1.5) | 0.35 (1.5) |
| Plantaginaceae | *Stemodia grossa* | – | – | – | – | – | – | – | – | 0.67 (4.18) | 0.09 (1.5) | – | 0.27 (2.1) |
| Poaceae | *Amphipogon sericeus* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Poaceae | *Aristida burbidgeae* | – | – | – | – | – | – | – | – | 0.11 (1.5) | 0.18 (1.5) | – | – |
| Poaceae | *Aristida contorta* | – | – | – | 0.08 (1.5) | – | – | – | – | – | 0.09 (1.5) | 0.04 (1.5) | 0.06 (1.5) |
| Poaceae | *Aristida holathera* var. *holathera* | – | – | – | – | – | – | – | – | – | – | 0.01 (2.9) | 0.02 (1.5) |
| Poaceae | *Cenchrus ciliaris* | 0.38 (3.37) | – | 0.14 (4.3) | 0.08 (1.5) | – | – | – | 0.5 (1.5) | 0.11 (1.5) | 0.09 (1.5) | 0.01 (1.5) | 0.73 (16.8) |
| Poaceae | *Cenchrus setiger* | 0.25 (2.9) | – | – | – | – | – | – | – | – | – | – | 0.29 (11) |
| Poaceae | *Chloris pectinata* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Chrysopogon fallax* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (5) |
| Poaceae | *Cymbopogon ambiguus* | 0.12 (1.5) | 1 (1.5) | – | 0.17 (1.5) | – | – | 1 (1.5) | 0.67 (1.5) | 0.67 (2.43) | 1 (2.01) | 0.22 (1.77) | 0.52 (2.33) |
| Poaceae | *Cynodon prostratus* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Poaceae | *Dactyloctenium radulans* | – | – | – | – | – | – | – | – | – | – | – | 0.06 (1.5) |
| Poaceae | *Digitaria brownii* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Digitaria ctenantha* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Poaceae | *Echinochloa colona* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Poaceae | *Enneapogon caerulescens* | 0.12 (1.5) | – | 0.14 (1.5) | – | 0.38 (1.5) | – | 0.67 (1.5) | – | 0.22 (1.5) | 0.27 (1.5) | 0.04 (1.5) | 0.1 (1.5) |
| Poaceae | *Enneapogon lindleyanus* | – | – | – | 0.08 (1.5) | – | – | 0.33 (1.5) | 0.17 (1.5) | – | – | – | 0.23 (1.5) |
| Poaceae | *Enneapogon pallidus* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Poaceae | *Enneapogon polyphyllus* | – | – | – | – | 0.25 (1.5) | – | – | – | 0.11 (1.5) | 0.18 (1.5) | – | 0.08 (1.5) |
| Poaceae | *Enneapogon robustissimus* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Poaceae | *Enteropogon ramosus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Eragrostis cumingii* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | – | 0.08 (1.5) |
| Poaceae | *Eragrostis dielsii* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Poaceae | *Eragrostis eriopoda* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Eragrostis tenellula* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | – | 0.21 (1.5) |
| Poaceae | *Eriachne benthamii* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Poaceae | *Eriachne ciliata* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | 0.01 (1.5) | 0.02 (1.5) |
| Poaceae | *Eriachne melicacea* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Poaceae | *Eriachne mucronata* | – | – | – | 0.33 (5.22) | – | – | 0.33 (1.5) | 0.5 (6.63) | 0.33 (2.43) | 0.91 (4.79) | 0.34 (2.33) | 0.35 (3.6) |
| Poaceae | *Eriachne obtusa* | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | 0.01 (4.3) | – |
| Poaceae | *Eriachne pulchella* subsp. *dominii* | 0.5 (1.5) | – | – | 0.08 (1.5) | – | – | 0.33 (1.5) | – | 0.11 (1.5) | 0.36 (1.5) | 0.33 (1.8) | 0.21 (3.92) |
| Poaceae | *Eriachne pulchella* subsp. *pulchella* | – | – | 0.14 (1.5) | – | – | – | – | 0.17 (1.5) | – | 0.09 (4.3) | 0.2 (1.88) | 0.08 (1.5) |
| Poaceae | *Eriachne tenuiculmis* | – | – | – | – | – | – | – | 0.17 (9.2) | 0.56 (4.16) | – | 0.01 (1.5) | 0.38 (4.88) |
| Poaceae | *Eulalia aurea* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.13 (2.7) |
| Poaceae | *Iseilema vaginiflorum* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Poaceae | *Neurachne muelleri* | – | – | – | – | 0.12 (1.5) | – | – | 0.17 (1.5) | – | – | 0.01 (1.5) | 0.08 (1.5) |
| Poaceae | *Paspalidium basicladum* | – | – | – | – | – | – | – | 0.33 (1.5) | – | – | 0.01 (1.5) | 0.04 (1.5) |
| Poaceae | *Paspalidium clementii* | – | 0.33 (4.3) | – | 0.33 (2.2) | 0.12 (1.5) | – | – | – | 0.22 (1.5) | 0.55 (1.97) | 0.1 (1.7) | 0.29 (2.06) |
| Poaceae | *Paspalidium rarum* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Poaceae | *Paspalidium tabulatum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Perotis rara* | – | – | – | – | – | – | – | – | – | – | – | 0.08 (1.5) |
| Poaceae | *Schizachyrium fragile* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Poaceae | *Setaria verticillata* | – | – | – | – | – | – | – | – | – | 0.09 (1.5) | – | 0.17 (1.5) |
| Poaceae | *Sporobolus australasicus* | 0.25 (1.5) | – | 0.14 (1.5) | – | – | – | – | 0.17 (1.5) | – | – | 0.01 (1.5) | 0.21 (2.26) |
| Poaceae | *Themeda* sp. Mt Barricade (M.E. Trudgen 2471) | – | – | – | – | – | – | – | 0.17 (1.5) | – | – | – | 0.06 (1.5) |
| Poaceae | *Themeda triandra* | – | – | – | – | – | – | – | 0.17 (4.3) | 0.33 (2.43) | 0.27 (1.5) | 0.01 (1.5) | 0.5 (3.96) |
| Poaceae | *Tragus australianus* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Poaceae | *Triodia angusta* | 0.12 (55.7) | – | 0.43 (3.37) | – | 0.25 (13.95) | – | 0.33 (4.3) | 0.33 (1.5) | 0.11 (4.3) | – | – | 0.13 (3.5) |
| Poaceae | *Triodia epactia* | 0.38 (25) | – | – | – | 0.12 (26.4) | – | – | – | – | – | 0.05 (8.86) | 0.42 (7.03) |
| Poaceae | *Triodia longiceps* | – | 0.33 (1.5) | – | – | – | – | – | – | – | – | – | – |
| Poaceae | *Triodia pisoliticola* | – | – | – | 0.25 (12.37) | 0.12 (1.5) | – | – | 0.5 (4.07) | 0.56 (7.14) | 0.91 (9.89) | 0.51 (9.74) | 0.15 (3.95) |
| Poaceae | *Triodia schinzii* | – | – | 0.29 (12.8) | – | – | 0.5 (39.4) | – | – | – | – | 0.01 (9.2) | – |
| Poaceae | *Triodia wiseana* | 0.88 (29.59) | 1 (19.27) | 1 (23.54) | 1 (52.24) | 1 (36.51) | 1 (9.2) | 1 (14) | 1 (19.88) | 1 (10.46) | 1 (27.75) | 0.99 (28.09) | 0.69 (7.86) |
| Poaceae | *Triraphis mollis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Polygalaceae | *Polygala glaucifolia* | – | – | – | – | 0.12 (1.5) | – | – | – | – | – | 0.05 (1.5) | – |
| Polygalaceae | *Polygala isingii* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Polygonaceae | *Rumex vesicarius* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Portulacaceae | *Portulaca cyclophylla* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.02 (1.5) |
| Portulacaceae | *Portulaca oleracea* | – | – | – | – | – | – | – | – | – | – | 0.03 (1.5) | 0.19 (1.78) |
| Proteaceae | *Grevillea berryana* | – | – | 0.14 (1.5) | – | – | – | – | – | 0.11 (1.5) | 0.27 (1.5) | 0.07 (2.06) | 0.04 (1.5) |
| Proteaceae | *Grevillea pyramidalis* subsp. *leucadendron* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Proteaceae | *Grevillea stenobotrya* | – | – | – | – | – | – | – | – | – | – | – | – |
| Proteaceae | *Grevillea striata* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Proteaceae | *Grevillea wickhamii* subsp. *hispidula* | – | – | – | – | – | – | – | – | 0.67 (3.72) | – | 0.11 (2.06) | 0.08 (2.2) |
| Proteaceae | *Hakea chordophylla* | – | – | 0.14 (1.5) | – | 0.12 (1.5) | – | – | – | – | – | 0.1 (2.5) | 0.02 (1.5) |
| Proteaceae | *Hakea lorea* subsp. *lorea* | 0.12 (1.5) | – | – | 0.25 (1.5) | – | – | – | – | – | 0.18 (1.5) | 0.12 (1.94) | 0.02 (1.5) |
| Pteridaceae | *Cheilanthes austrotenuifolia* | – | – | – | – | – | – | – | – | – | – | – | – |
| Pteridaceae | *Cheilanthes brownii* | – | – | – | – | – | – | – | – | – | 0.18 (1.5) | – | – |
| Pteridaceae | *Cheilanthes contigua* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Pteridaceae | *Cheilanthes lasiophylla* | – | – | – | – | – | – | – | – | – | – | – | – |
| Pteridaceae | *Cheilanthes sieberi* subsp. *sieberi* | – | – | – | – | – | – | – | – | 0.11 (1.5) | 0.18 (1.5) | 0.04 (1.5) | 0.08 (2.9) |
| Rubiaceae | *Dolichocarpa crouchiana* | – | 0.33 (1.5) | – | 0.75 (1.5) | 0.88 (1.5) | – | 0.33 (1.5) | – | 0.67 (1.5) | 0.73 (1.5) | 0.54 (1.65) | 0.31 (1.5) |
| Rubiaceae | *Psydrax latifolia* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | – | 0.04 (5.35) |
| Rubiaceae | *Psydrax suaveolens* | – | – | – | – | – | – | – | – | – | – | – | – |
| Rubiaceae | *Scleromitrion galioides* | – | – | – | – | – | – | – | – | – | – | – | – |

| Family | Species | ChAaTw | ChTsTw | ElAbTw1 | ElAbTw2 | ElAbTw3 | ElAbTw4 | ElAcTw1 | ElAcTw2 | ElAcTw3 | ElApEm | ElApTw | EvAcCc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rubiaceae | *Synaptantha tillaeacea* var. *tillaeacea* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | – | – |
| Santalaceae | *Amyema ?sanguinea* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Santalaceae | *Santalum lanceolatum* | – | – | – | – | – | – | – | – | 0.33 (1.5) | – | – | 0.29 (3.24) |
| Sapindaceae | *Alectryon oleifolius* | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | – | – |
| Sapindaceae | *Atalaya hemiglauca* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (1.5) |
| Sapindaceae | *Diplopeltis stuartii* var. *stuartii* | – | – | – | – | – | – | – | – | 0.22 (1.5) | – | 0.01 (1.5) | – |
| Sapindaceae | *Dodonaea coriacea* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Sapindaceae | *Dodonaea lanceolata* var. *lanceolata* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |
| Sapindaceae | *Dodonaea pachyneura* | – | – | – | – | – | – | – | 0.17 (1.5) | – | 0.45 (3.74) | – | 0.12 (2.43) |
| Sapindaceae | *Dodonaea petiolaris* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (4.3) |
| Sapindaceae | *Dodonaea viscosa* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | – | 0.02 (1.5) |
| Scrophulariaceae | *Eremophila cuneifolia* | – | – | 0.43 (2.43) | – | – | – | – | – | – | 0.09 (4.3) | 0.07 (3.11) | 0.02 (1.5) |
| Scrophulariaceae | *Eremophila exilifolia* | – | – | – | – | – | – | – | – | – | – | 0.07 (3.39) | – |
| Scrophulariaceae | *Eremophila forrestii* subsp. *forrestii* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.06 (4.07) |
| Scrophulariaceae | *Eremophila fraseri* subsp. *fraseri* | 0.25 (1.5) | – | 0.29 (1.5) | – | – | – | 1 (4.3) | – | – | 0.09 (4.3) | 0.02 (3.37) | – |
| Scrophulariaceae | *Eremophila lanceolata* | – | – | – | – | – | – | – | – | – | – | 0.02 (2.43) | – |
| Scrophulariaceae | *Eremophila latrobei* subsp. *filiformis* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Scrophulariaceae | *Eremophila latrobei* subsp. *glabra* | – | – | – | 0.17 (1.5) | – | – | – | 0.5 (1.5) | – | – | 0.04 (1.97) | 0.02 (4.3) |
| Scrophulariaceae | *Eremophila latrobei* subsp. *latrobei* | 0.12 (1.5) | – | – | – | – | – | – | – | 0.22 (1.5) | 0.73 (2.9) | 0.04 (1.97) | 0.06 (1.5) |
| Scrophulariaceae | *Eremophila longifolia* | 0.62 (1.5) | 0.33 (1.5) | 0.43 (1.5) | 0.17 (1.5) | 0.38 (1.5) | – | – | – | – | – | 0.04 (1.5) | 0.27 (3.91) |
| Scrophulariaceae | *Eremophila magnifica* subsp. *magnifica* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Scrophulariaceae | *Eremophila phyllopoda* subsp. *obliqua* | – | – | 0.14 (1.5) | – | – | – | – | – | – | – | – | – |
| Scrophulariaceae | *Eremophila tietkensii* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | – |
| Solanaceae | *Datura leichhardtii* subsp. *leichhardtii* | – | – | – | – | – | – | – | – | – | – | – | 0.12 (1.5) |
| Solanaceae | *Nicotiana bilybara* | – | – | – | – | 0.12 (1.5) | – | – | – | – | 0.64 (1.9) | 0.04 (1.5) | 0.02 (1.5) |
| Solanaceae | *Nicotiana obliqua* | – | – | – | 0.08 (1.5) | – | – | – | – | – | – | – | – |
| Solanaceae | *Nicotiana occidentalis* | – | – | – | – | – | – | 0.33 (1.5) | – | – | 0.09 (1.5) | – | 0.37 (1.5) |
| Solanaceae | *Solanum ?pycnotrichum* | – | – | – | – | – | – | – | – | – | – | – | – |
| Solanaceae | *Solanum cleistogamum* | – | – | – | 0.17 (1.5) | 0.12 (1.5) | – | – | 0.33 (1.5) | 0.33 (1.5) | 0.36 (1.5) | 0.07 (1.5) | 0.13 (1.5) |
| Solanaceae | *Solanum diversiflorum* | – | – | – | 0.08 (1.5) | – | – | – | 0.17 (1.5) | 0.44 (1.5) | 0.09 (1.5) | 0.09 (1.5) | 0.31 (1.5) |
| Solanaceae | *Solanum elatius* | – | – | – | – | – | – | – | – | 0.56 (2.06) | – | 0.04 (1.97) | 0.1 (1.5) |
| Solanaceae | *Solanum gabrielae* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.02 (1.5) |
| Solanaceae | *Solanum horridum* | 0.38 (1.5) | 0.33 (1.5) | – | 0.25 (1.5) | – | – | 0.67 (1.5) | 0.17 (1.5) | – | 0.27 (1.5) | 0.12 (1.5) | 0.12 (1.5) |
| Solanaceae | *Solanum lasiophyllum* | – | – | – | – | 0.12 (1.5) | – | – | – | – | 0.18 (1.5) | 0.11 (1.6) | 0.17 (1.67) |
| Solanaceae | *Solanum phlomoides* | – | – | – | – | 0.25 (1.5) | – | – | – | – | – | 0.04 (1.97) | 0.06 (1.5) |
| Solanaceae | *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | – | – | – | – | – | – | – | – | 0.56 (1.5) | 0.64 (1.5) | 0.14 (1.65) | 0.04 (1.5) |
| Solanaceae | *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | – | – | – | – | – | – | – | – | 0.11 (1.5) | – | – | 0.02 (1.5) |
| Stylidiaceae | *Stylidium fluminense* | – | – | – | – | – | – | – | – | – | – | – | – |
| Surianaceae | *Stylobasium spathulatum* | 0.75 (4.18) | – | 0.14 (1.5) | 0.42 (2.62) | – | 0.5 (4.3) | 0.33 (16.4) | 0.83 (3.04) | 1 (2.74) | 0.27 (2.43) | 0.15 (2.9) | 0.65 (3.05) |
| Typhaceae | *Typha domingensis* | – | – | – | – | – | – | – | – | – | – | – | 0.02 (4.3) |
| Violaceae | *Afrohybanthus aurantiacus* | – | – | – | 0.33 (1.5) | 0.25 (1.5) | – | – | 1 (1.5) | 0.89 (1.5) | 0.18 (1.5) | 0.01 (1.5) | 0.83 (1.5) |
| Zygophyllaceae | *Roepera eichleri* | – | – | 0.14 (1.5) | – | 0.75 (2.43) | – | – | – | – | – | – | 0.02 (1.5) |
| Zygophyllaceae | *Tribulus astrocarpus* | – | – | – | – | – | – | – | – | – | – | – | – |
| Zygophyllaceae | *Tribulus hirsutus* | 0.12 (1.5) | – | – | – | 0.88 (1.5) | – | 1 (1.5) | – | – | 0.09 (1.5) | 0.07 (1.81) | 0.06 (1.5) |
| Zygophyllaceae | *Tribulus macrocarpus* | – | – | – | – | – | – | – | – | – | – | 0.01 (1.5) | 0.04 (1.5) |
| Zygophyllaceae | *Tribulus occidentalis* | – | – | – | – | – | – | – | – | – | – | – | – |
| Zygophyllaceae | *Tribulus platypterus* | – | – | – | 0.17 (1.5) | – | – | 0.33 (1.5) | – | – | 0.18 (1.5) | 0.01 (1.5) | 0.06 (1.5) |
| Zygophyllaceae | *Tribulus suberosus* | – | – | 0.57 (1.5) | 0.83 (1.5) | 0.5 (1.5) | – | – | 0.5 (1.5) | 0.11 (1.5) | 0.36 (1.5) | 0.2 (1.6) | 0.1 (1.5) |
| Zygophyllaceae | *Tribulus terrestris* | – | – | – | – | – | – | – | – | – | – | – | 0.04 (1.5) |

[1]Values indicate the percentage of sampling sites within the vegetation type in which the taxon was recorded (constancy) and mean percent foliage cover across those sites (importance; in parentheses).

## Appendix E Flora and vegetation sampling site data.

# WY_E_001

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 433408.65 mE 7501412.24 mN | | | | |
| **Landform** | Floodplain | **Slope** | Negligible | | |
| **Soil colour** | Orange | **Soil texture** | Clay | | |
| **Rock type** | Ironstone/quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Calandrinia schistorhiza* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euploca heterantha* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Lepidium platypetalum* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 25 – 32 |
| *Dactyloctenium radulans* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *pulchella* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_002

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 433457.11 mE 7501141.69 mN | | | | |
| **Landform** | Floodplain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (>2 m) | 5 – 9 |
| *Acacia kempeana* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 10 – 24 |
| *Acacia xiphophylla* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 5 – 9 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Alysicarpus muelleri* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 5 – 9 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cullen ?graveolens* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 5 – 9 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus polystachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Tephrosia supina* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | 1 – 4 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Tribulus macrocarpus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |
| *Dactyloctenium radulans* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_003

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 433616.94 mE 7501498.62 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Nicotiana ?occidentalis* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena ?densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Swainsona forrestii* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_004

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 433704.2 mE 7502142.6 mN | | | | |
| **Landform** | Floodplain | **Slope** | Gentle | | |
| **Soil colour** | Orange | **Soil texture** | Clay | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Acacia xiphophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 10 – 24 |
| *Lepidium pedicellosum* | Shrub (0.5-1 m) | < 1 |
| *Maireana planifolia* | Shrub (0.5-1 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Rhagodia eremaea* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Calandrinia schistorhiza* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euploca heterantha* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 5 – 9 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 5 – 9 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | 1 – 4 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | 1 – 4 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | 1 – 4 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Vincetoxicum lineare* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 10 – 24 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_005

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 434038.17 mE 7501936.72 mN | | | | |
| **Landform** | Floodplain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (>2 m) | 25 – 32 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Alysicarpus muelleri* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | 1 – 4 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Cucumis melo* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | < 1 |
| *Nicotiana obliqua* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus appendiculatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | 1 – 4 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus macrocarpus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | 1 – 4 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Chloris pectinata* | Tussock Grass (<0.5 m) | < 1 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_006

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 434353.7 mE 7501634.51 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Mixed | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euploca chrysocarpa* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_007

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 435100.42 mE 7501526.25 mN | | | | |
| **Landform** | Floodplain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Loam | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Hakea lorea* subsp. *lorea* | Shrub (>2 m) | 1 – 4 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euploca inexplicita* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus polystachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | 1 – 4 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Swainsona forrestii* | Herb (<0.5 m) | 1 – 4 |
| *Trianthema pilosum* | Herb (<0.5 m) | 1 – 4 |
| *Tribulus astrocarpus* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Tribulus terrestris* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triraphis mollis* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_008

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 435191.17 mE 7502167.89 mN | | | | |
| **Landform** | Crest | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Banded ironstone | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 5 – 9 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis ?dichotoma* | Sedge (<0.5 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_009

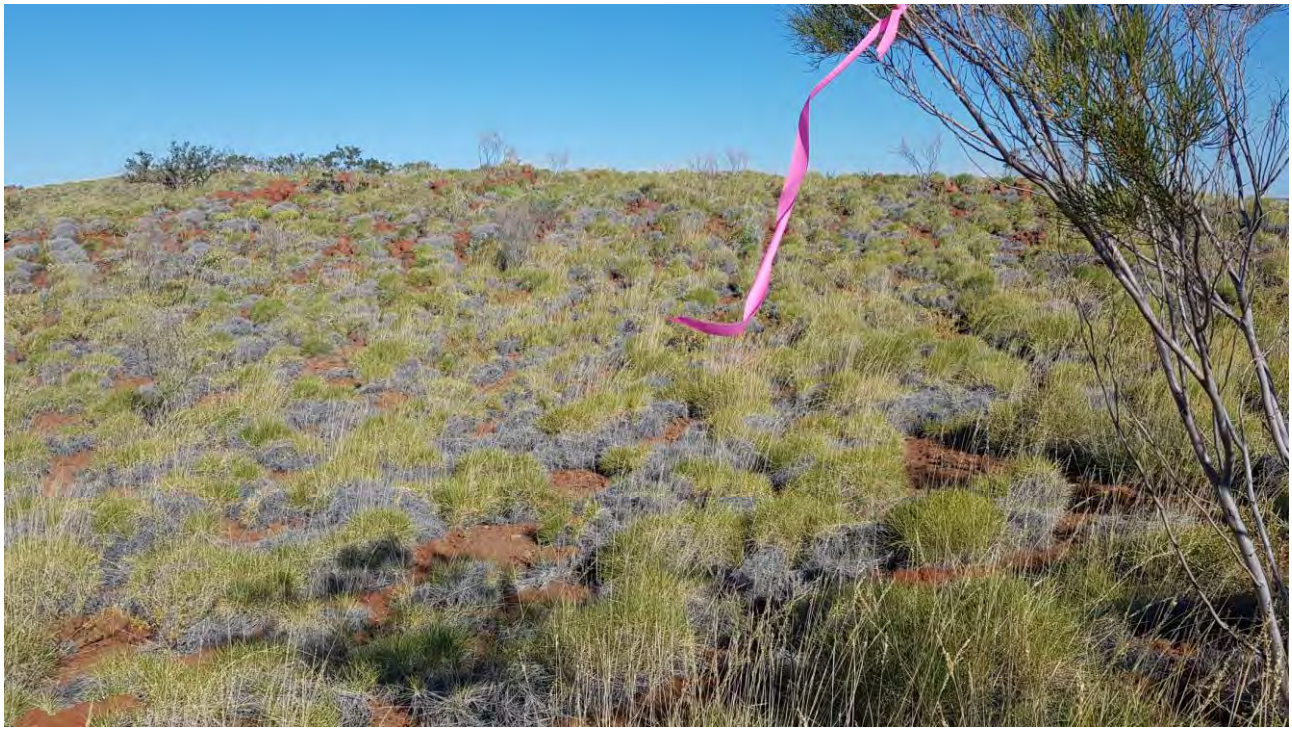
| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 435410.73 mE 7501934.63 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Loam | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Indigofera rivularis* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (0.5-1 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Capparis spinosa* subsp. *nummularia* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 5 – 9 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Nicotiana ?occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Operculina aequisepala* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | 1 – 4 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Swainsona forrestii* | Herb (<0.5 m) | < 1 |
| *Tephrosia ?densa* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trianthema pilosum* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 25 – 32 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_010

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 435542.95 mE 7501724.02 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia arida* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | Assoc. |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Flaveria trinervia* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_011

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 435940.64 mE 7502738.6 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Banded ironstone | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_012

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 436992.12 mE 7502630.93 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_013

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 437171.74 mE 7502666.2 mN | | | | |
| **Landform** | Gully | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Loam | | |
| **Rock type** | Banded ironstone | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 5 – 9 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Ficus brachypoda* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Dodonaea pachyneura* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus cunninghamii* subsp. *cunninghamii* | Sedge (<0.5 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Herb (<0.5 m) | < 1 |
| *Centipeda minima* subsp. *macrocephala* | Herb (<0.5 m) | < 1 |
| *Cheilanthes brownii* | Herb (<0.5 m) | < 1 |
| *Cheilanthes contigua* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cyanthillium gracile* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Lobelia ?heterophylla* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Nicotiana bilybara* | Herb (<0.5 m) | 1 – 4 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Sida* ?*rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | 1 – 4 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida burbidgeae* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_014

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 437294.38 mE 7501896.35 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_015

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 437652.5 mE 7501876.55 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Iseilema vaginiflorum* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_016

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 437842.25 mE 7502386.32 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Banded ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

No site image.

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 10 – 24 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (>2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | 1 – 4 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_017

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 437999.75 mE 7502138.97 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Basalt | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Eremophila longifolia* | Shrub (>2 m) | 1 – 4 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (>2 m) | 5 – 9 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (0.5-1 m) | < 1 |
| *Cyperus vaginatus* | Sedge (<0.5 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Convolvulus clementii* | Herb (<0.5 m) | < 1 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Datura leichhardtii* subsp. *leichhardtii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Flaveria trinervia* | Herb (<0.5 m) | < 1 |
| *Glycine canescens* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia muelleriana* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Melhania oblongifolia* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Operculina aequisepala* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Senna venusta* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Tephrosia densa* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | 1 – 4 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 10 – 24 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_018

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 438819.25 mE 7502836.47 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | 1 – 4 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Bonamia ?pilbarensis* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?careyi* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia muelleriana* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Swainsona complanata* | Herb (<0.5 m) | 5 – 9 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_019

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 438749.64 mE 7502130.15 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia kempeana* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?coatesii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | 1 – 4 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | 1 – 4 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Swainsona forrestii* | Herb (<0.5 m) | < 1 |
| *Tephrosia densa* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | 1 – 4 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium tabulatum* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_020

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 440528.2 mE 7502536.12 mN | | | | |
| **Landform** | Low hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

No site image.

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | Assoc. |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cheilanthes contigua* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

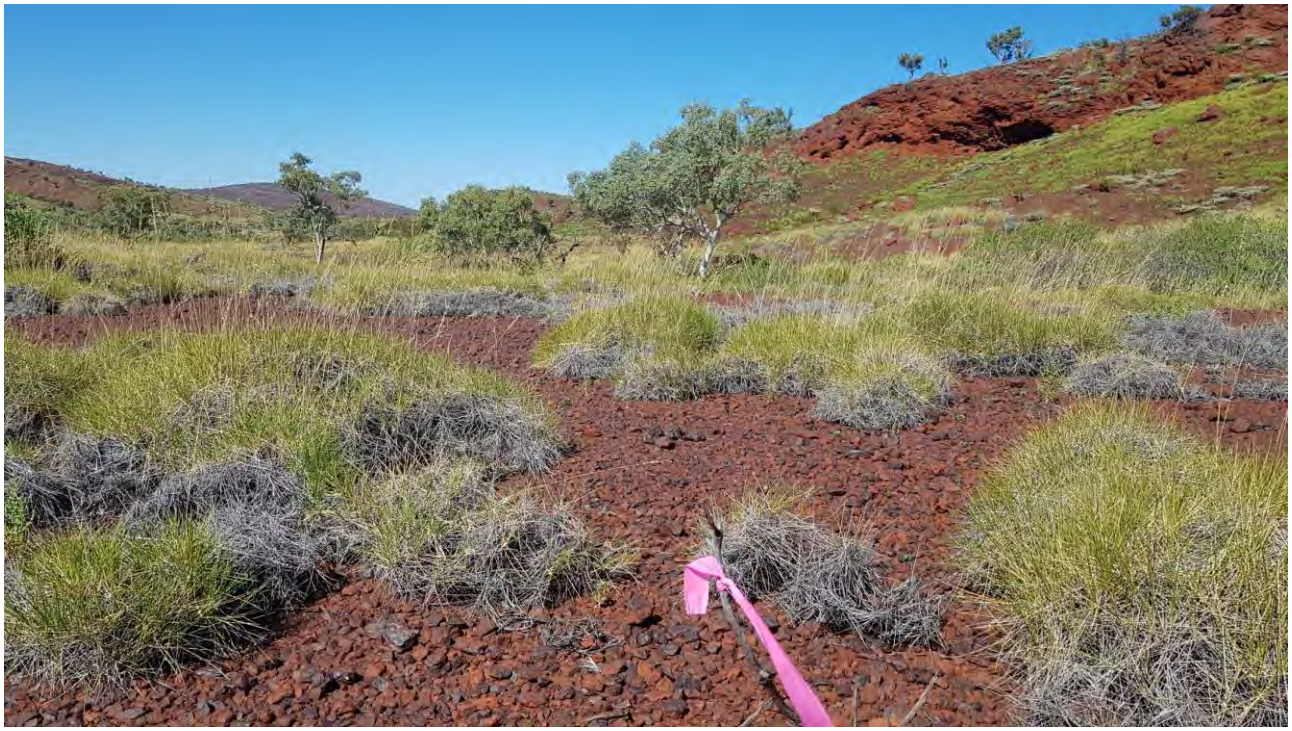
# WY_E_021

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 444024.21 mE 7504187.74 mN | | | | |
| **Landform** | Midslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *glabra* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_022

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 443331.59 mE 7505020.97 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 10 – 24 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | Assoc. |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_023

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 442637.92 mE 7504085.96 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Banded ironstone/basalt/quartzite | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | < 1 |
| *Corymbia ferriticola* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | 1 – 4 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (1-2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon amplum* | Herb (<0.5 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Alternanthera nana* | Herb (<0.5 m) | 1 – 4 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Datura leichhardtii* subsp. *leichhardtii* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euphorbia vaccaria* var. *vaccaria* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Glycine canescens* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Operculina aequisepala* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca cyclophylla* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Sida ?rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Wahlenbergia tumidifructa* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis cumingii* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Amyema ?sanguinea* | Parasitic/Epiphytic (<0.5 m) | < 1 |

# WY_E_024

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 443156.13 mE 7502691.25 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Dark brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Basalt, calcrete, scattered quartzite and ironstone | | | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] |
| **Rock cover** | 30 – 70% | | | | |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (0.5-1 m) | < 1 |
| *Cyperus vaginatus* | Sedge (<0.5 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euphorbia vaccaria* var. *vaccaria* | Herb (<0.5 m) | < 1 |
| *Flaveria trinervia* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana ?occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pluchea rubelliflora* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Tephrosia densa* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Dactyloctenium radulans* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Amyema ?sanguinea* | Parasitic/Epiphytic (<0.5 m) | < 1 |

# WY_E_025

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|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 443376.98 mE 7504591.29 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone/quartzite | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia monticola* | Shrub (>2 m) | < 1 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | Assoc. |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_026

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 444090.86 mE 7502542.21 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Light brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Calcrete | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus xerothermica* | Tree (<10 m) | Assoc. |
| *Acacia inaequilatera* | Shrub (>2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_027

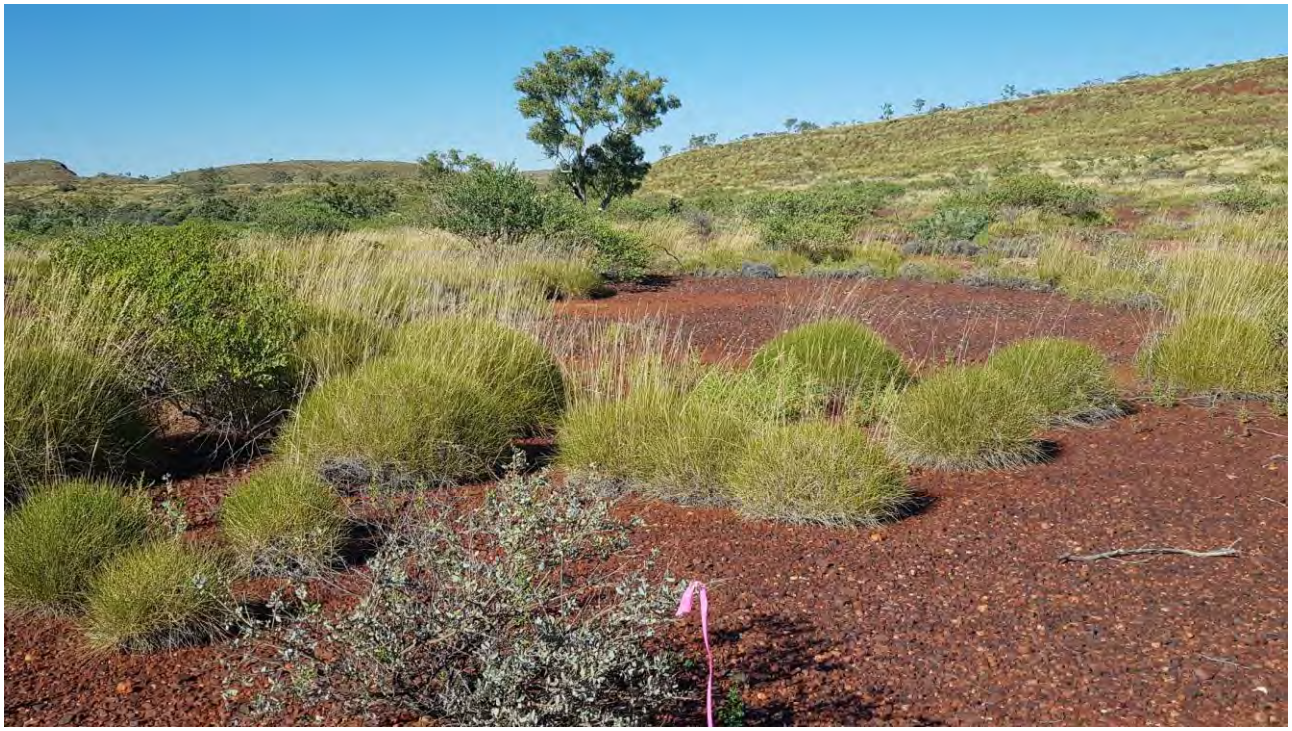
| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 445338.46 mE 7502013.32 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_028

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 444583.72 mE 7504467.84 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone/quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_029

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 444353.15 mE 7503561.23 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Banded ironstone/basalt/quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (10-30 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (10-30 m) | Assoc. |
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia synchronicia* | Shrub (>2 m) | < 1 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | 1 – 4 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (>2 m) | 1 – 4 |
| *Santalum lanceolatum* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Indigofera rivularis* | Shrub (0.5-1 m) | < 1 |
| *Isotropis atropurpurea* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 5 – 9 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana ?occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis cumingii* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Neurachne muelleri* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_030

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 445192.11 mE 7503875.02 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia ancistrocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 5 – 9 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_031

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 445406.21 mE 7501342.41 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Eremophila longifolia* | Shrub (>2 m) | 1 – 4 |
| *Santalum lanceolatum* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Abutilon amplum* | Herb (<0.5 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Datura leichhardtii* subsp. *leichhardtii* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania melanocarpa* forma *leucocarpa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Glycine canescens* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Ipomoea polymorpha* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | < 1 |
| *Melhania oblongifolia* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pluchea rubelliflora* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus terrestris* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | 1 – 4 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 25 – 32 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_032

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 445810.42 mE 7503049.63 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

No site image.

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cheilanthes ?sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cyanthillium gracile* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?coatesii* | Herb (<0.5 m) | < 1 |
| *Lobelia heterophylla* subsp. *pilbarensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_033

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 28/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 446530.84 mE 7502346.12 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pyrifolia* var. *morrisonii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_034

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 446549.91 mE 7503968.57 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Indigofera fractiflexa* subsp. *fractiflexa* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 5 – 9 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euploca inexplicita* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_035

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 446719.8 mE 7503318.5 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Hakea chordophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_036

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 28/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 447085.85 mE 7502223.85 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Grey | **Soil texture** | Silty clay loam | | |
| **Rock type** | Calcrete | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* subsp. *rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euploca chrysocarpa* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_037

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 28/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 447820.12 mE 7501861.39 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Light brown | **Soil texture** | Loam | | |
| **Rock type** | Calcrete/ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Hakea chordophylla* | Shrub (1-2 m) | < 1 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euploca chrysocarpa* | Herb (<0.5 m) | 1 – 4 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Tephrosia* sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 25 – 32 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_038

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 447926.91 mE 7502529.49 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Dark red | **Soil texture** | Clay | | |
| **Rock type** | Banded ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia retivenea* subsp. *clandestina* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Seringia ?exastia* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_039

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 449011.17 mE 7503067.01 mN | | | | |
| **Landform** | Hill/outcrops | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Granite | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | 1 – 4 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 5 – 9 |
| *Ptilotus clementii* | Herb (<0.5 m) | 5 – 9 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna venusta* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne ciliata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_040

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 449988.09 mE 7503195.44 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Acacia monticola* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *glabra* | Shrub (1-2 m) | 1 – 4 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euploca ?skeleton* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_041

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 449981.69 mE 7501596.61 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Tephrosia supina* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_042

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 451631.16 mE 7500948.34 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Brown | **Soil texture** | Clay | | |
| **Rock type** | Mixed | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_043

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 451888.03 mE 7500489.42 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 10 – 24 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_044

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 452065.98 mE 7500909.92 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Banded ironstone/basalt/quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | < 1 |
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia kempeana* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia coriacea* subsp. *pendens* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Adriana tomentosa* var. *tomentosa* | Herb (1-2 m) | < 1 |
| *Abutilon amplum* | Herb (<0.5 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | < 1 |
| *Melhania oblongifolia* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Scaevola amblyanthera* var. *amblyanthera* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 25 – 32 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_045

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 453196.72 mE 7499527.86 mN | | | | |
| **Landform** | Ridge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Acacia kempeana* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_046

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 453312.01 mE 7500107.94 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Brown | **Soil texture** | Clay | | |
| **Rock type** | Calcrete | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia bivenosa* | Shrub (1-2 m) | 10 – 24 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Melaleuca eleuterostachya* | Shrub (1-2 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_047

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 454081.88 mE 7499366.83 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Dark brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete/ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 10 – 24 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | 1 – 4 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | 1 – 4 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_048

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 454860.73 mE 7499020.88 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_049

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 455377.72 mE 7498237.42 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia* ?*aptaneura* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia maitlandii* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | 5 – 9 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia kempeana* | Shrub (1-2 m) | < 1 |
| *Dodonaea petiolaris* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (1-2 m) | 5 – 9 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Psydrax latifolia* | Shrub (1-2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (1-2 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Isotropis atropurpurea* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Shovelanna Hill (S. van Leeuwen 3842) | Shrub (0.5-1 m) | < 1 |
| *Sida* ?sp. spiciform panicles (E. Leyland s.n. 14/8/90) | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | 1 – 4 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Datura leichhardtii* subsp. *leichhardtii* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania melanocarpa* forma *leucocarpa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 5 – 9 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *decumbens* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Flaveria trinervia* | Herb (<0.5 m) | < 1 |
| *Glycine canescens* | Herb (<0.5 m) | 1 – 4 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | < 1 |
| *Melhania oblongifolia* | Herb (<0.5 m) | < 1 |
| *Nicotiana ?occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Scaevola amblyanthera* var. *amblyanthera* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Sida ?rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Wahlenbergia tumidifructa* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 10 – 24 |
| *Eragrostis cumingii* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Iseilema vaginiflorum* | Tussock Grass (<0.5 m) | < 1 |
| *Neurachne muelleri* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium basicladum* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_050

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 456056.86 mE 7500306.36 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 5 – 9 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (>2 m) | < 1 |
| *Acacia kempeana* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis simulans* | Sedge (<0.5 m) | < 1 |
| *Diplopeltis stuartii* var. *stuartii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euploca skeleton* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Haloragis gossei* var. *gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_051

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 455630.92 mE 7500117.82 mN | | | | |
| **Landform** | Floodplain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia kempeana* | Shrub (>2 m) | 50 – 74 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (0.5-1 m) | < 1 |
| *Dodonaea lanceolata* var. *lanceolata* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Seringia ?nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Vincetoxicum lineare* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_052

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 457536.07 mE 7500216.31 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Acacia kempeana* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tumida* var. *pilbarensis* | Shrub (1-2 m) | Assoc. |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

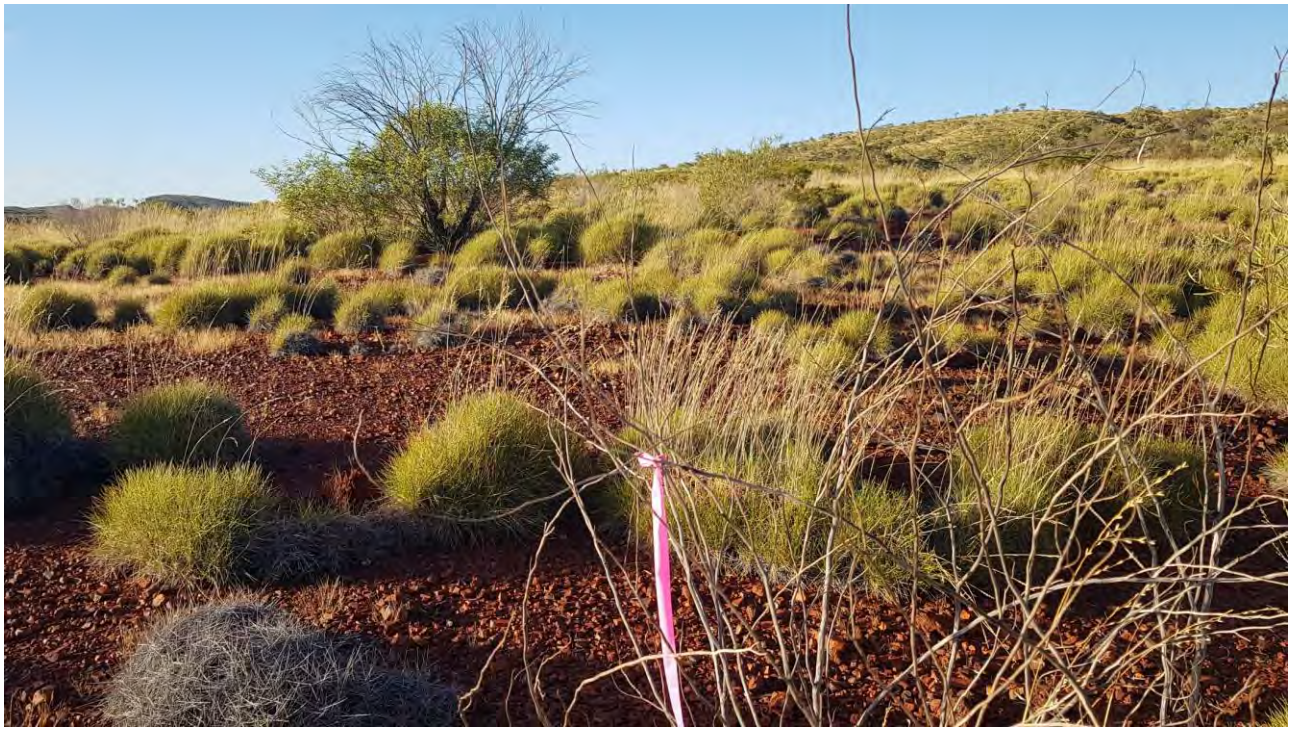
# WY_E_053

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 448838.18 mE 7502262.67 mN | | | | |
| **Landform** | Low hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (1-2 m) | Assoc. |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | 5 – 9 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | 1 – 4 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cheilanthes ?sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_054

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 455241.95 mE 7497774.43 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia atkinsiana* | Shrub (>2 m) | 10 – 24 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Codonocarpus cotinifolius* | Shrub (1-2 m) | < 1 |
| *Grevillea berryana* | Shrub (1-2 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Seringia ?nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

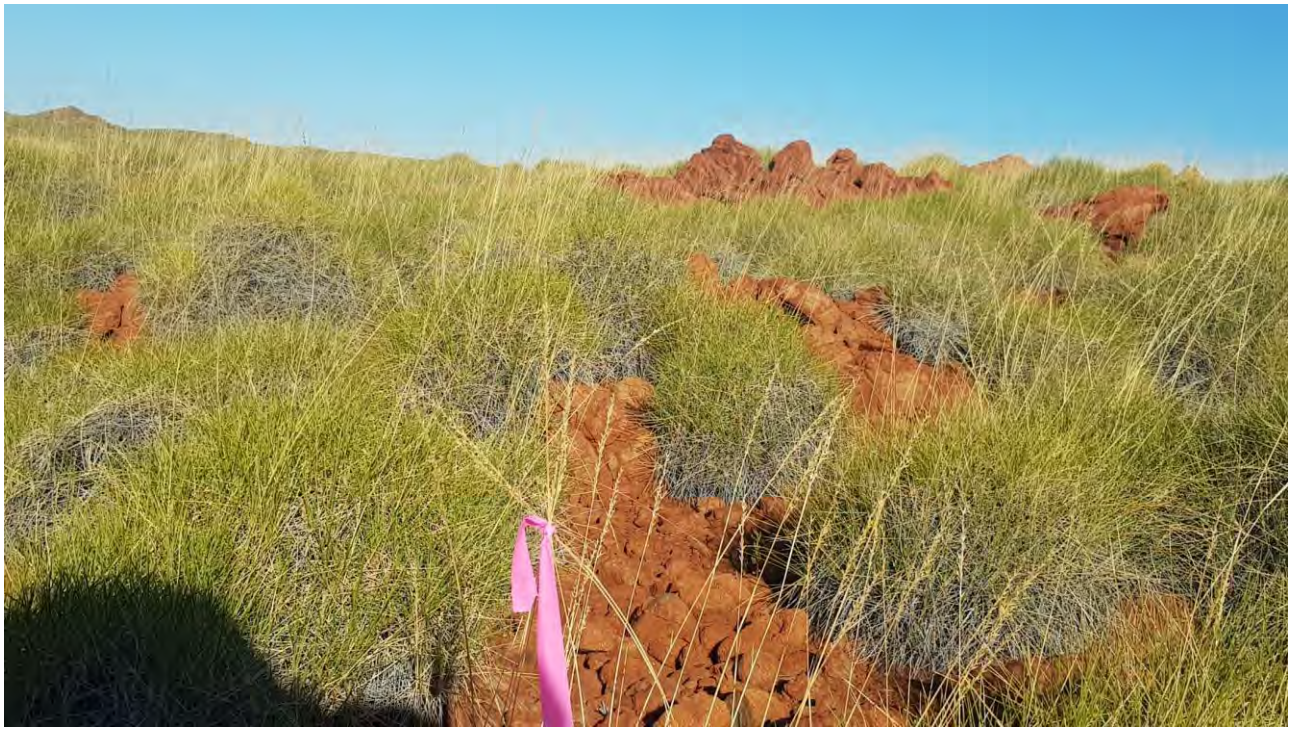
# WY_E_055

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 442776.8 mE 7502457.45 mN | | | | |
| **Landform** | Midslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Bonamia ?pilbarensis* | Herb (<0.5 m) | < 1 |
| *Cheilanthes contigua* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_056

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 444205.67 mE 7503395.24 mN | | | | |
| **Landform** | Low hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Hakea lorea* subsp. *lorea* | Shrub (>2 m) | < 1 |
| *Clerodendrum tomentosum* var. *lanceolatum* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cullen leucochaites* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_057

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 30/06/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 439563.54 mE 7502227.91 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt, calcrete, scattered quartzite and ironstone | | | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] |
| **Rock cover** | > 70% | | | | |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Swainsona forrestii* | Herb (<0.5 m) | < 1 |
| *Tephrosia densa* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_058

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 446454.55 mE 7501761.48 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_059

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 446376.48 mE 7501951.28 mN | | | | |
| **Landform** | Floodplain | **Slope** | Negligible | | |
| **Soil colour** | Brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Ironstone/basalt | **Rock size** | Mixed | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Eremophila longifolia* | Shrub (>2 m) | 10 – 24 |
| *Santalum lanceolatum* | Shrub (>2 m) | 10 – 24 |
| *Scaevola spinescens* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue Creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Glycine canescens* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Melhania oblongifolia* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Neurachne muelleri* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_060

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 446132.61 mE 7501794.37 mN | | | | |
| **Landform** | Midslope/outcrops | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | 1 – 4 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Bonamia ?pilbarensis* | Herb (<0.5 m) | < 1 |
| *Cheilanthes contigua* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | 1 – 4 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_061

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 446146.39 mE 7501638.96 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone/basalt/quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia tetragonophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 5 – 9 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Maireana planifolia* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Rhagodia eremaea* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia schistorhiza* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euploca heterantha* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus aervoides* | Herb (<0.5 m) | 5 – 9 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_062

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 1/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 448816.5 mE 7502842.92 mN | | | | |
| **Landform** | Hill/outcrops | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 5 – 9 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | 5 – 9 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Senna venusta* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_063

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 2/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 456761.17 mE 7499804.59 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Hakea chordophylla* | Shrub (>2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia adoxa* var. *adoxa* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 5 – 9 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Seringia ?exastia* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | 1 – 4 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Eriachne ciliata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_064

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 446653.43 mE 7503896.19 mN | | | | |
| **Landform** | Gully/Major creek (5-30 m) | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone | **Rock size** | Boulders [> 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 1 – 4 |
| *Acacia coriacea* subsp. *pendens* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Dodonaea pachyneura* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *glabra* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Acacia monticola* | Shrub (0.5-1 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (0.5-1 m) | < 1 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | < 1 |
| *Ficus platypoda* | Shrub (0.5-1 m) | < 1 |
| *Indigofera fractiflexa* subsp. *fractiflexa* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Cyperus leptocarpus* | Sedge (<0.5 m) | < 1 |
| *Cyperus pulchellus* | Sedge (<0.5 m) | < 1 |
| *Cyperus squarrosus* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis microcarya* | Sedge (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Ammannia multiflora* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Bergia pedicellaris* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Centipeda minima* subsp. *macrocephala* | Herb (<0.5 m) | < 1 |
| *Cheilanthes brownii* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cynanchum viminale* | Herb (<0.5 m) | < 1 |
| *Drosera finlaysoniana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Lobelia ?heterophylla* | Herb (<0.5 m) | < 1 |
| *Mimulus gracilis* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Rotala diandra* | Herb (<0.5 m) | < 1 |
| *Scleromitrion galioides* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Wahlenbergia tumidifructa* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis cumingii* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_065

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 443834.84 mE 7504017 mN | | | | |
| **Landform** | Gully | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_066

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 3/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 442732.66 mE 7504202.95 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Light brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete/ironstone/basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 50 – 74 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_067

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Veg. Desc. | **Botanist** | BH |
| **Northwest corner** | 50K 451129.65 mE 7501471.24 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 10 – 24 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus incanus* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_068

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 451146.92 mE 7501827.63 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete/ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus xerothermica* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 10 – 24 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Scaevola acacioides* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus ?cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euploca chrysocarpa* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus clementii* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | 1 – 4 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Neurachne muelleri* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_069

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 451223.5 mE 7501630.17 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia ?aptaneura* | Shrub (>2 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (>2 m) | 5 – 9 |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Grevillea berryana* | Shrub (1-2 m) | < 1 |
| *Scaevola acacioides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cynanchum viminale* | Herb (<0.5 m) | 1 – 4 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_070

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 436320.54 mE 7502575.21 mN | | | | |
| **Landform** | Gully | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone | **Rock size** | NA | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Dodonaea pachyneura* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Grevillea berryana* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | 1 – 4 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cheilanthes brownii* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cyanthillium gracile* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Euphorbia ?careyi* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Lobelia heterophylla* subsp. *pilbarensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | 1 – 4 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida burbidgeae* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_071

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 436637.4 mE 7502222.53 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Mixed | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | 5 – 9 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (>2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (>2 m) | 1 – 4 |
| *Clerodendrum tomentosum* var. *lanceolatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (0.5-1 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Glycine canescens* | Herb (<0.5 m) | < 1 |
| *Nicotiana ?occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 33 – 49 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_072

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 436421.71 mE 7502301.12 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Acacia xiphophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euploca heterantha* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_073

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|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 433225.29 mE 7501045.52 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Maireana planifolia* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia schistorhiza* | Herb (<0.5 m) | 10 – 24 |
| *Dysphania rhadinostachya* subsp. *inflata* | Herb (<0.5 m) | 5 – 9 |
| *Euploca heterantha* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Goodenia muelleriana* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Maireana melanocoma* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | 1 – 4 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 25 – 32 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *pulchella* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Tragus australianus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_074

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 433780.07 mE 7501097.72 mN | | | | |
| **Landform** | Plain/floodplain | **Slope** | Negligible | | |
| **Soil colour** | Light brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete/ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 10 – 24 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Acacia xiphophylla* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cullen graveolens* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | 1 – 4 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Striga curviflora* | Herb (<0.5 m) | < 1 |
| *Swainsona forrestii* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Tribulus terrestris* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Dactyloctenium radulans* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Tragus australianus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_075

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 434054.92 mE 7501265.82 mN | | | | |
| **Landform** | Floodplain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Mixed | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia kempeana* | Shrub (>2 m) | 33 – 49 |
| *Hakea lorea* subsp. *lorea* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Sida ?arsiniata* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Alysicarpus muelleri* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cullen ?graveolens* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euphorbia vaccaria* var. *vaccaria* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | 1 – 4 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?coatesii* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Malvastrum americanum* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus appendiculatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | 1 – 4 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Tragus australianus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_076

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|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 434271.37 mE 7501056.19 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Streptoglossa ?bubakii* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?decurrens* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Swainsona forrestii* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_077

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Veg. Desc. | **Botanist** | BH |
| **Northwest corner** | 50K 435733.65 mE 7502307.78 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Ficus brachypoda* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?decurrens* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichosanthes cucumerina* var. *cucumerina* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium tabulatum* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_078

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 4/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 434880.95 mE 7501918.06 mN | | | | |
| **Landform** | Floodplain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone/quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia wanyu* | Shrub (>2 m) | 33 – 49 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | < 1 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Sida* ?sp. spiciform panicles (E. Leyland s.n. 14/8/90) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* ?*fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cullen* ?*graveolens* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Hibiscus* ?*coatesii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | 1 – 4 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | 1 – 4 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_079

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 5/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 441179.51 mE 7502139.12 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_080

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 5/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 438357.65 mE 7502416.96 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone/quartzite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | Assoc. |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 5 – 9 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_081

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 5/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 438120.84 mE 7502838.07 mN | | | | |
| **Landform** | Midslope | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded ironstone/basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_082

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 5/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | BH |
| **Northwest corner** | 50K 441983.06 mE 7502329.15 mN | | | | |
| **Landform** | Crest | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cheilanthes contigua* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii/Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_083

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 5/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 442314.68 mE 7502083.7 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete/BIF | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_084

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 5/07/2021 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 444692.81 mE 7502381.23 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | Calcrete/basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_085

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 441425.54 mE 7504929.46 mN | | | | |
| **Landform** | Minor gully | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | 2 – 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Astrotricha hamptonii* | Shrub (1-2 m) | < 1 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 5 – 9 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Ficus brachypoda* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_086

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 441592.77 mE 7505536.07 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_087

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 441566.65 mE 7505240.18 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | 2 – 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Hakea lorea* subsp. *lorea* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_088

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 441650.79 mE 7504879.84 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | 2 – 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 25 – 32 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_089

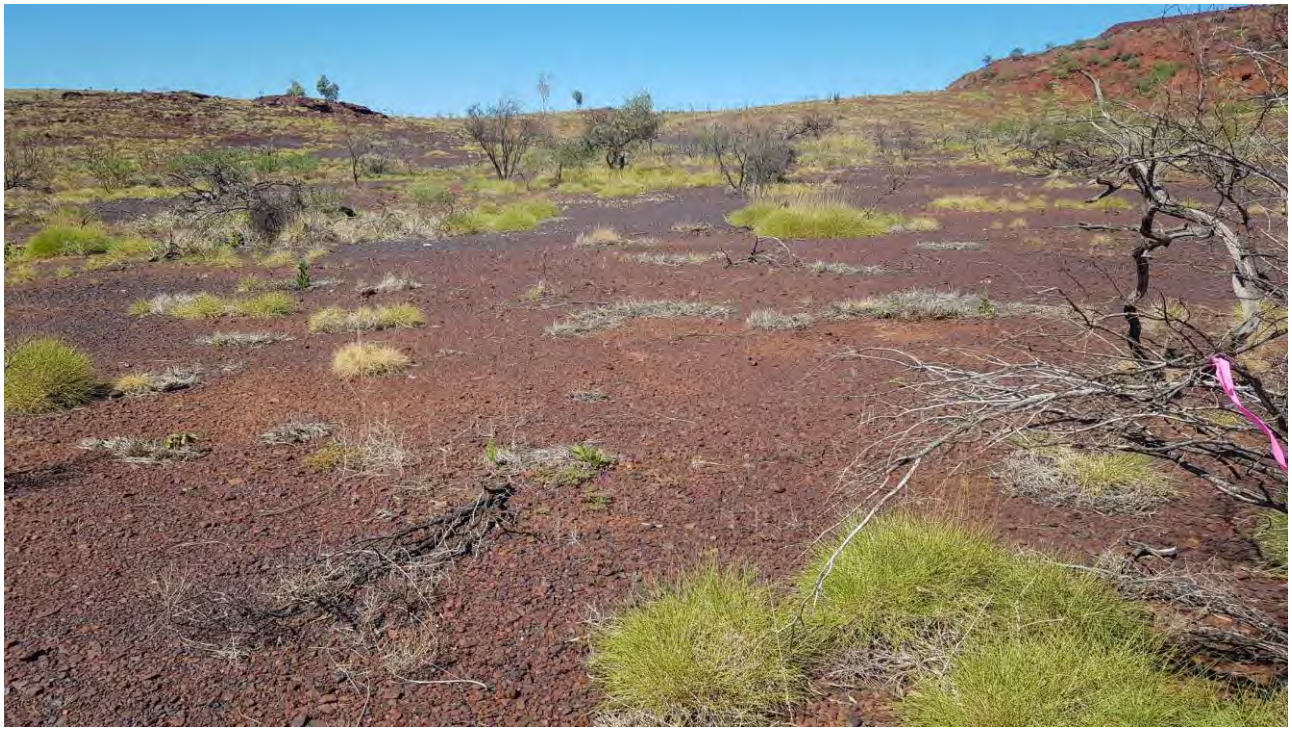
| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 441816.51 mE 7505481.68 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Loam | | |
| **Rock type** | River alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (>2 m) | 10 – 24 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (1-2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia monticola* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Seringia nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Euphorbia vaccaria* var. *vaccaria* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | 5 – 9 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon serrulatum* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | 1 – 4 |
| *Sida rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Vincetoxicum lineare* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_090

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 441823.59 mE 7505319.86 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

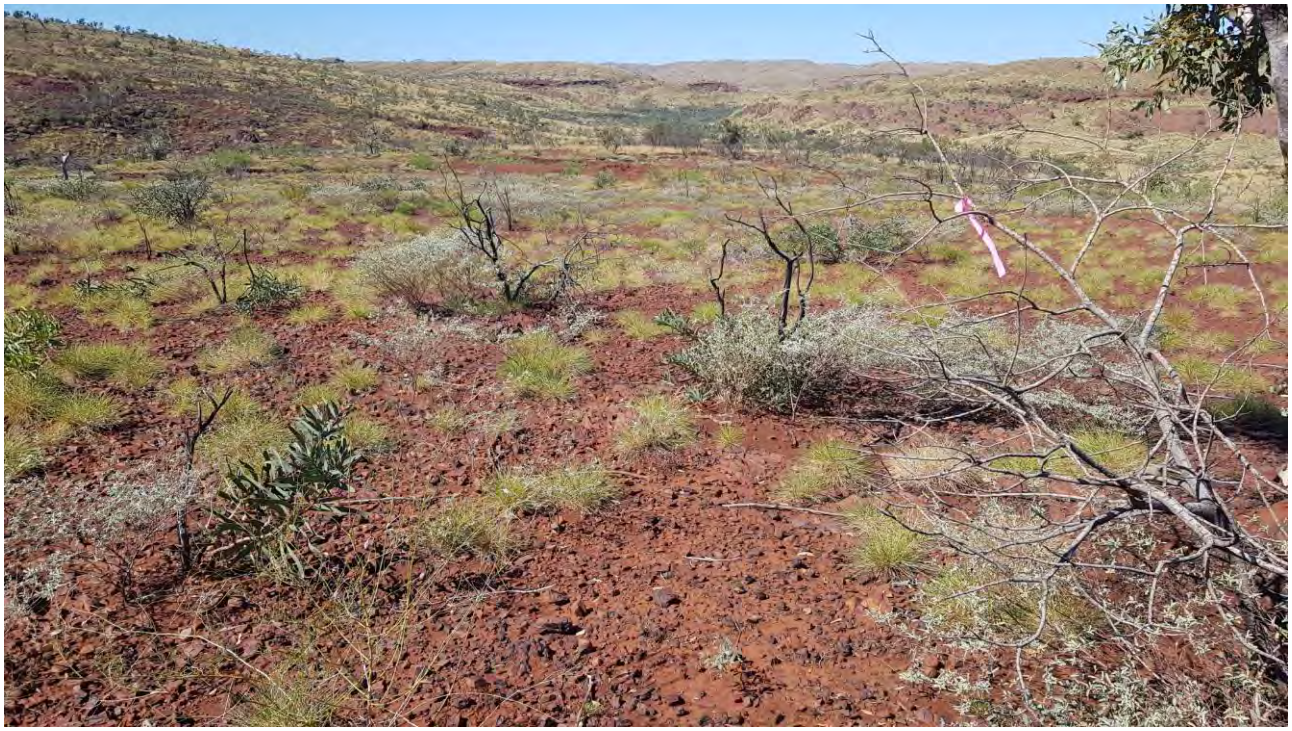


| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* ?*echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Gomphrena affinis* subsp. *pilbarensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_091

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 442019.21 mE 7504786.92 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Clerodendrum floribundum* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (1-2 m) | < 1 |
| *Hakea chordophylla* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_092

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Relevé | **Botanist** | RS |
| **Northwest corner** | 50K 442286.3 mE 7504465.46 mN | | | | |
| **Landform** | Minor creek (< 5 m) | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Astrotricha hamptonii* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia monticola* | Shrub (0.5-1 m) | < 1 |
| *Clerodendrum tomentosum* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila* ?*latrobei* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera fractiflexa* subsp. *fractiflexa* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Psydrax latifolia* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* ?sp. L (A.M. Ashby 4202) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cheilanthes brownii* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_093

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Veg. Desc. | **Botanist** | AC |
| **Northwest corner** | 50K 442357.84 mE 7504168.5 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus xerothermica* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_094

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 447327.29 mE 7502200.32 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | 5 – 9 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_095

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 442664.65 mE 7504934.14 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_096

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 442788.97 mE 7505231.83 mN | | | | |
| **Landform** | Footslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia synchronicia* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia ?kempeana* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Grevillea wickhamii* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus ?fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_097

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 442869.03 mE 7504631.25 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Grevillea wickhamii* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_098

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 442898.91 mE 7505474.23 mN | | | | |
| **Landform** | Midslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_099

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 443001.79 mE 7505067.57 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_100

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 443046.13 mE 7505198.58 mN | | | | |
| **Landform** | Minor creek (< 5 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | River alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia monticola* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Isotropis atropurpurea* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Seringia nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Wahlenbergia tumidifructa* | Herb (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_101

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 443102.6 mE 7505387.75 mN | | | | |
| **Landform** | Crest | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | Assoc. |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Grevillea berryana* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_102

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 443246.59 mE 7505488.36 mN | | | | |
| **Landform** | Midslope | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (0.5-1 m) | < 1 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 5 – 9 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | 1 – 4 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_103

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 443313.01 mE 7504873.78 mN | | | | |
| **Landform** | Crest | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus ?fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_104

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 443293.62 mE 7503831.92 mN | | | | |
| **Landform** | Gully/Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 5 – 9 |
| *Eucalyptus victrix* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | < 1 |
| *Acacia ?aptaneura* | Shrub (0.5-1 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus cunninghamii* subsp. *cunninghamii* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Rhodanthe margarethae* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | 1 – 4 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida burbidgeae* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_105

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 443466.98 mE 7504133.11 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_106

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 443644.9 mE 7503919.67 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Eucalyptus victrix* | Tree (<10 m) | Assoc. |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (>2 m) | < 1 |
| *Acacia monticola* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Isotropis atropurpurea* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida ?fibulifera* | Herb (<0.5 m) | < 1 |
| *Sida rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida burbidgeae* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_107

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Relevé | **Botanist** | LE |
| **Northwest corner** | 50K 443718.87 mE 7504606.94 mN | | | | |
| **Landform** | Gully/Major creek (5-30 m) | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (<10 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia tumida* var. *pilbarensis* | Shrub (1-2 m) | 1 – 4 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 10 – 24 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 10 – 24 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Isotropis atropurpurea* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | 5 – 9 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 10 – 24 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | 5 – 9 |
| *Synaptantha tillaeacea* var. *tillaeacea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis cumingii* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_108

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Relevé | **Botanist** | RS |
| **Northwest corner** | 50K 443773.7 mE 7504402.79 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed | **Rock size** | Mixed | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 5 – 9 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | 10 – 24 |
| *Acacia monticola* | Shrub (1-2 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (1-2 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | 10 – 24 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | < 1 |
| *Ficus brachypoda* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera fractiflexa* subsp. *fractiflexa* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Cyperus pulchellus* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Ammannia baccifera* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Aristida burbidgeae* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_109

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 443810.72 mE 7504483.73 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | > 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_110

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 444160.71 mE 7504534.49 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Maireana ?triptera* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_111

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 9/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 444258.38 mE 7503883.5 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia arida* | Tree (<10 m) | 10 – 24 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_112

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 444291.01 mE 7504324.97 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | 2 – 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Grevillea wickhamii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_113

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 443996.17 mE 7504717.66 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia bivenosa* | Shrub (1-2 m) | 10 – 24 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (0.5-1 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_114

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 9/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 444449.62 mE 7504162.27 mN | | | | |
| **Landform** | Low hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 10 – 24 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_115

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 444511.83 mE 7504360.2 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (1-2 m) | 10 – 24 |
| *Acacia synchronicia* | Shrub (1-2 m) | 10 – 24 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_116

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Relevé | **Botanist** | RS |
| **Northwest corner** | 50K 444680.08 mE 7504258.96 mN | | | | |
| **Landform** | Drainage line | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Trachymene* ?*oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Amyema benthamii* | Parasitic/Epiphytic (<0.5 m) | < 1 |

# WY_E_117

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 9/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 444762.78 mE 7503877.35 mN | | | | |
| **Landform** | Crest | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia kempeana* | Shrub (1-2 m) | 5 – 9 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Seringia nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Streptoglossa bubakii* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_118

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 446142.81 mE 7503070.84 mN | | | | |
| **Landform** | Midslope | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_119

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 444731.49 mE 7504313.5 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (1-2 m) | 5 – 9 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |
| *Amyema benthamii* | Parasitic/Epiphytic (<0.5 m) | < 1 |

# WY_E_120

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 445066.23 mE 7504576.51 mN | | | | |
| **Landform** | Ridge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (1-2 m) | < 1 |
| *Hakea chordophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Dodonaea ?coriacea* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 5 – 9 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_121

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 445230.88 mE 7503669.7 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *?Melaleuca linophylla* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Clerodendrum floribundum* | Shrub (1-2 m) | < 1 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (1-2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *×luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_122

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 445098.74 mE 7504283.16 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_123

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 445550.67 mE 7503652.13 mN | | | | |
| **Landform** | Crest | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | 1 – 4 |
| *Grevillea wickhamii* | Shrub (>2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_124

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 445227.94 mE 7504436.27 mN | | | | |
| **Landform** | Minor gully | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | 1 – 4 |
| *Cyperus cunninghamii* subsp. *cunninghamii* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | 1 – 4 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 5 – 9 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Senna venusta* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_125

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 445392.2 mE 7504069.56 mN | | | | |
| **Landform** | Low hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (0.5-1 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 5 – 9 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Seringia nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_126

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Relevé | **Botanist** | LE |
| **Northwest corner** | 50K 445628.07 mE 7503886.86 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 5 – 9 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 10 – 24 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 10 – 24 |
| *Acacia ancistrocarpa* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia maitlandii* | Shrub (0.5-1 m) | < 1 |
| *Acacia monticola* | Shrub (0.5-1 m) | < 1 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | 5 – 9 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (0.5-1 m) | 5 – 9 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | 1 – 4 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Hibiscus leptocladus* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_127

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 445782.4 mE 7504203.35 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

No site image.

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia ancistrocarpa* | Shrub (0.5-1 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (0.5-1 m) | 5 – 9 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 10 – 24 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (0.5-1 m) | 1 – 4 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 10 – 24 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | 1 – 4 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Diplopeltis stuartii* var. *stuartii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Euphorbia vaccaria* var. *vaccaria* | Herb (<0.5 m) | < 1 |
| *Euploca skeleton* | Herb (<0.5 m) | < 1 |
| *Goodenia ?microptera* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 5 – 9 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | 1 – 4 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_128

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 445799.65 mE 7504614.53 mN | | | | |
| **Landform** | Low hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | > 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 10 – 24 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_129

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 11/05/2022 | **Site type** | Flora: Relevé | **Botanist** | RS |
| **Northwest corner** | 50K 445826.69 mE 7504237.04 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | > 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (>2 m) | 10 – 24 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 10 – 24 |
| *Melaleuca glomerata* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia maitlandii* | Shrub (0.5-1 m) | < 1 |
| *Acacia monticola* | Shrub (0.5-1 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Santalum lanceolatum* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Seringia nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Diplopeltis stuartii* var. *stuartii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_130

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 445873.42 mE 7503725.33 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Codonocarpus cotinifolius* | Shrub (>2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Acacia kempeana* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia tumida* var. *pilbarensis* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_131

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 446115.21 mE 7504110.31 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia atkinsiana* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (>2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Tribulus suberosus* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_132

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 446430.55 mE 7502981.07 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | 2 – 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | 1 – 4 |
| *Hakea chordophylla* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_133

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 446423 mE 7502759.98 mN | | | | |
| **Landform** | Footslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 75 – 94 |

# WY_E_134

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 446405.4 mE 7503412.49 mN | | | | |
| **Landform** | Minor gully | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Grevillea wickhamii* | Shrub (>2 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (1-2 m) | < 1 |
| *Clerodendrum floribundum* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | 1 – 4 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_135

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 446580.03 mE 7503070.37 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Clerodendrum floribundum* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 10 – 24 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | 5 – 9 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | 1 – 4 |
| *Cyperus hesperius* | Sedge (<0.5 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Senna venusta* | Herb (<0.5 m) | Assoc. |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus macrocarpus* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_136

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 446743 mE 7502646.19 mN | | | | |
| **Landform** | Midslope | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Clerodendrum tomentosum* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 75 – 94 |

# WY_E_137

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 446864.44 mE 7502249.21 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Dysphania ?sphaerosperma* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_138

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 447065.46 mE 7502829.96 mN | | | | |
| **Landform** | Gully | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Grevillea berryana* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dodonaea ?pachyneura* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila ?latrobei* | Shrub (0.5-1 m) | < 1 |
| *Ficus brachypoda* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera fractiflexa* subsp. *fractiflexa* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus cunninghamii* subsp. *cunninghamii* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Rhodanthe margarethae* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_139

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 447075.74 mE 7502740.22 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Mixed | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | > 5 yrs | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Grevillea berryana* | Shrub (>2 m) | Assoc. |
| *Grevillea wickhamii* | Shrub (>2 m) | < 1 |
| *Hakea chordophylla* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | Assoc. |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | 5 – 9 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | 5 – 9 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene* ?*oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_140

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 447200.32 mE 7502477.52 mN | | | | |
| **Landform** | Gully | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | 5 – 9 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia monticola* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila ?latrobei* | Shrub (0.5-1 m) | 1 – 4 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus cunninghamii* subsp. *cunninghamii* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cheilanthes brownii* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Lobelia heterophylla* subsp. *pilbarensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Rhodanthe margarethae* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_141

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 446992.62 mE 7503176.75 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Hakea chordophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (1-2 m) | < 1 |
| *Acacia ptychophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 10 – 24 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_142

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 447231.42 mE 7502399.14 mN | | | | |
| **Landform** | Midslope | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Evolvulus alsinoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_143

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | RS |
| **Northwest corner** | 50K 447373.13 mE 7501935.25 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Grevillea berryana* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Rhagodia eremaea* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Chrysopogon fallax* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_144

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 447525.16 mE 7501844.55 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Brown | **Soil texture** | Loam | | |
| **Rock type** | River alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | < 1 |
| *Eremophila longifolia* | Shrub (>2 m) | 5 – 9 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (1-2 m) | 1 – 4 |
| *Scaevola spinescens* | Shrub (1-2 m) | 5 – 9 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90) | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* | Herb (<0.5 m) | < 1 |
| *Flaveria trinervia* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | 1 – 4 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | 1 – 4 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | 1 – 4 |
| *Sida rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 10 – 24 |
| *Chrysopogon fallax* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 10 – 24 |

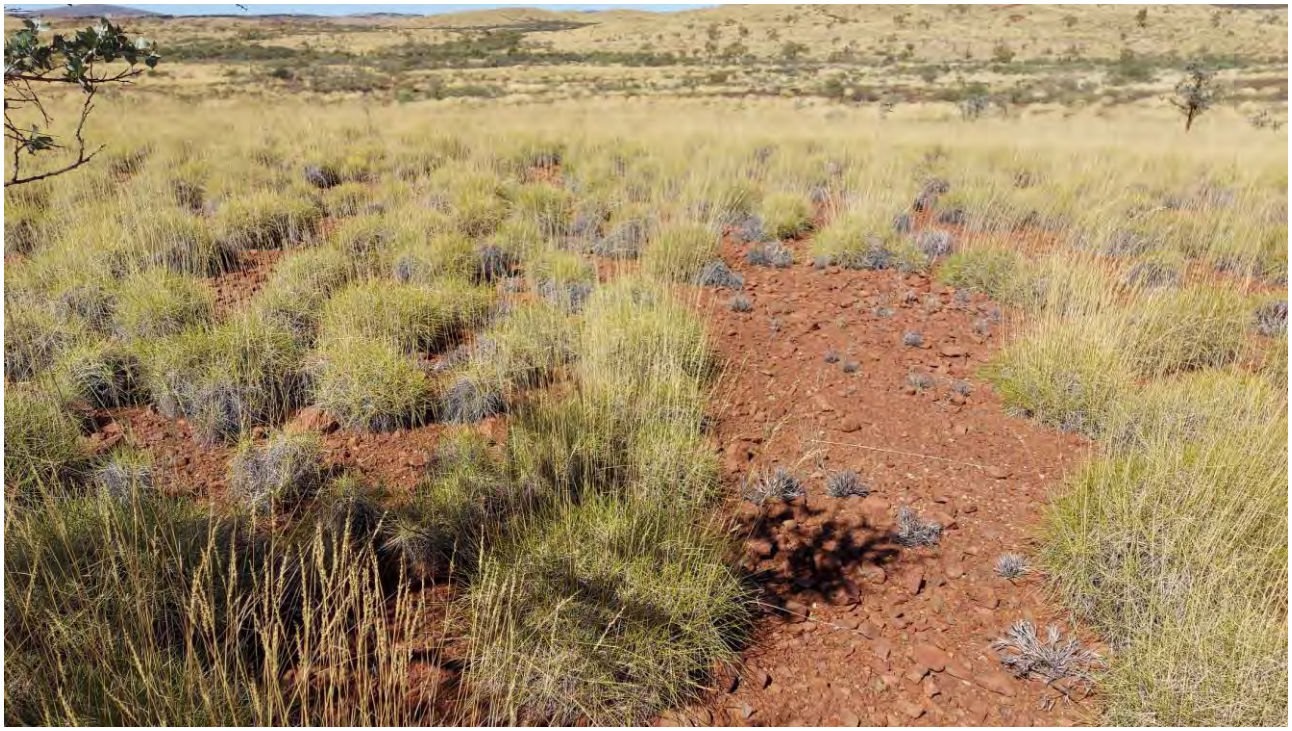
# WY_E_145

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 447568.75 mE 7502323.14 mN | | | | |
| **Landform** | Midslope | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Tribulus suberosus* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_146

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 447596.68 mE 7502181.66 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Tribulus suberosus* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 50 – 74 |

# WY_E_147

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Relevé | **Botanist** | RS |
| **Northwest corner** | 50K 447634.41 mE 7502390.67 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Clerodendrum floribundum* | Shrub (1-2 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | < 1 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | 1 – 4 |
| *Rhagodia eremaea* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Clerodendrum tomentosum* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Ficus brachypoda* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene ?oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Aristida burbidgeae* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_148

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Veg. Desc. | **Botanist** | LE |
| **Northwest corner** | 50K 447530.98 mE 7502968.05 mN | | | | |
| **Landform** | Ridge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Ficus brachypoda* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | 1 – 4 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | 1 – 4 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia careyi* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna venusta* | Herb (<0.5 m) | < 1 |
| *Sida* ?sp. Articulation below (A.A. Mitchell PRP 1605) | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 10 – 24 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_149

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | LE |
| **Northwest corner** | 50K 447647.75 mE 7502610.34 mN | | | | |
| **Landform** | Midslope | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | 1 – 4 |
| *Clerodendrum floribundum* | Shrub (>2 m) | < 1 |
| *Ficus brachypoda* | Shrub (>2 m) | < 1 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Eremophila* ?*latrobei* | Shrub (1-2 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dodonaea* ?*pachyneura* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Haloragis* ?*gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Trachymene* ?*oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_150

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 447835.39 mE 7502267.59 mN | | | | |
| **Landform** | Ridge | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dodonaea ?viscosa* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Vincetoxicum lineare* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_151

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 10/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 444384.36 mE 7504411.88 mN | | | | |
| **Landform** | Footslope | **Slope** | Gentle | | |
| **Soil colour** | Dark brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (1-2 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Lepidium* sp. (indet.) | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_152

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 446112.53 mE 7503377.7 mN | | | | |
| **Landform** | Crest | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia tumida* var. *pilbarensis* | Shrub (1-2 m) | < 1 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Triumfetta chaetocarpa* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | 1 – 4 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_153

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 446298.34 mE 7503189.83 mN | | | | |
| **Landform** | Gully/Major creek (5-30 m) | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | 1 – 4 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | < 1 |
| *Acacia ?aptaneura* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (1-2 m) | < 1 |
| *Clerodendrum floribundum* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dodonaea ?viscosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus cunninghamii* subsp. *cunninghamii* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cheilanthes brownii* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Rhodanthe margarethae* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 33 – 49 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_154

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 446048.84 mE 7503337.73 mN | | | | |
| **Landform** | Footslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Psydrax latifolia* | Shrub (1-2 m) | < 1 |
| *Psydrax suaveolens* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus lasiocarpus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sida ?fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Amyema benthamii* | Parasitic/Epiphytic (<0.5 m) | < 1 |

# WY_E_155

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/05/2022 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 446073.78 mE 7503261.33 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Negligible | | |
| **Soil colour** | Reddish brown | **Soil texture** | Loam | | |
| **Rock type** | River alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. Minor weeds. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Alectryon oleifolius* | Shrub (>2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (>2 m) | 1 – 4 |
| *Santalum lanceolatum* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Clerodendrum floribundum* | Shrub (1-2 m) | < 1 |
| *Eremophila ?latrobei* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Grevillea berryana* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Psydrax latifolia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus incanus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta clementii* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | 1 – 4 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Crotalaria novae-hollandiae* subsp. *novae-hollandiae* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_156

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 442828.85 mE 7505012.57 mN | | | | |
| **Landform** | Midslope | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Grevillea wickhamii* subsp. *hispidula* | Shrub (>2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Dampiera candicans* | Shrub (0.5-1 m) | 1 – 4 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_157

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/05/2022 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 441893.09 mE 7504995.89 mN | | | | |
| **Landform** | Minor gully | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 5 – 9 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia careyi* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Solanum* sp. Red Hill (S. van Leeuwen et al. PBS 5415) | Herb (<0.5 m) | < 1 |
| *Tephrosia clementii* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_158

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/AS |
| **Northwest corner** | 50K 435052.85 mE 7504001.01 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Granite, ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (<0.5 m) | < 1 |
| *Gossypium australe* | Shrub (<0.5 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia burbidgeana* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Cullen graveolens* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona* | Herb (<0.5 m) | < 1 |
| *Gomphrena affinis* subsp. *pilbarensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Lepidium ?oxytrichum* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | 1 – 4 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_159

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Relevé | **Botanist** | SN |
| **Northwest corner** | 50K 435233.67 mE 7503568.44 mN | | | | |
| **Landform** | Crest/hill top | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Granite | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 5 – 9 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | 1 – 4 |
| *Senna notabilis* | Herb (0.5-1 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus goldsworthii* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | 1 – 4 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_160

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 435988.53 mE 7503965.05 mN | | | | |
| **Landform** | Low hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | 5 – 9 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (<0.5 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia cusackiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca cyclophylla* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_161

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 436725.59 mE 7504269.8 mN | | | | |
| **Landform** | Low hill | **Slope** | Moderate | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Quartz/quartzite | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia bivenosa* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *?Calocephalus knappii* | Herb (<0.5 m) | < 1 |
| *Brachyscome iberidifolia* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona* | Herb (<0.5 m) | < 1 |
| *Polygala glaucifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_162

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 438618.97 mE 7503700.86 mN | | | | |
| **Landform** | Ridge | **Slope** | Steep | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia cusackiana* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_163

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/SN |
| **Northwest corner** | 50K 439188.61 mE 7505886.12 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Degraded | **Disturbance** | High weed cover and heavy grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Indigofera rivularis* | Shrub (>2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (>2 m) | 1 – 4 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Shrub (1-2 m) | < 1 |
| *Adriana tomentosa* var. *tomentosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (1-2 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | 1 – 4 |
| *Aerva javanica* | Shrub (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (0.5-1 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cynanchum floribundum* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 33 – 49 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | 33 – 49 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia ?angusta* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_164

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 439481.85 mE 7504618.96 mN | | | | |
| **Landform** | Low hill | **Slope** | Moderate | | |
| **Soil colour** | Light brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Hakea chordophylla* | Shrub (>2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* var. *morrisonii* | Shrub (<0.5 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia ?angusta* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_165

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 23/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 439546.2 mE 7505943.15 mN | | | | |
| **Landform** | Undulating plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 5 – 9 |
| ?*Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Triodia* ?*angusta* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_166

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 27/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN |
| **Northwest corner** | 50K 445132.38 mE 7500915.55 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_167

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Relevé | **Botanist** | SH/AS |
| **Northwest corner** | 50K 447177.82 mE 7500806.69 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Eucalyptus victrix* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (0.5-1 m) | < 1 |
| *Santalum lanceolatum* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Gossypium australe* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Scaevola spinescens* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (<0.5 m) | < 1 |
| *Solanum phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tephrosia densa* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | 1 – 4 |
| *Triumfetta clementii* | Shrub (<0.5 m) | < 1 |
| *Triumfetta ?propinqua* | Shrub (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (>2 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (>2 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (0.5-1 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Cucumis variabilis* | Herb (<0.5 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* subsp. *rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pluchea ?dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | 1 – 4 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_168

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 447373.32 mE 7504727.34 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Granite | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (<0.5 m) | < 1 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_169

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 447669.52 mE 7505417.72 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Petalostylis labicheoides* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (1-2 m) | Assoc. |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | Assoc. |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_170

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 447747.27 mE 7500857.33 mN | | | | |
| **Landform** | Undulating plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Acacia xiphophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | 5 – 9 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | 1 – 4 |
| ?*Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | 1 – 4 |
| *Sida echinocarpa* | Shrub (<0.5 m) | 1 – 4 |
| *Cynanchum viminale* subsp. *australe* | Herb (1-2 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 50 – 74 |

# WY_E_171

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 447871.85 mE 7510202.6 mN | | | | |
| **Landform** | River (> 30 m) | **Slope** | NA | | |
| **Soil colour** | Orange | **Soil texture** | Clay loam | | |
| **Rock type** | NA | **Rock size** | NA | **Rock cover** | NA |
| **Vegetation condition** | Degraded | **Disturbance** | High weed cover and heavy grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | Assoc. |
| *Eucalyptus victrix* | Tree (10-30 m) | 10 – 24 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Gossypium robinsonii* | Shrub (>2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Solanum* sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) | Shrub (0.5-1 m) | < 1 |
| *Acacia bivenosa* | Shrub (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (0.5-1 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Centipeda minima* subsp. *macrocephala* | Herb (<0.5 m) | < 1 |
| *Corchorus ?tridens* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | 1 – 4 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | 1 – 4 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Wahlenbergia tumidifructa* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 75 – 94 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Chrysopogon fallax* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |

# WY_E_172

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 448873.9 mE 7509011.92 mN | | | | |
| **Landform** | Floodplain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (>2 m) | Assoc. |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 5 – 9 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 5 – 9 |
| ?*Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Cenchrus setiger* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Triodia* ?*angusta* | Hummock Grass (0.5-1 m) | 50 – 74 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_173

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 23/04/2024 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 449185.59 mE 7503981.8 mN | | | | |
| **Landform** | Gorge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Corymbia ferriticola* | Tree (<10 m) | 1 – 4 |
| *Melaleuca argentea* | Tree (<10 m) | 1 – 4 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Ficus brachypoda* | Shrub (>2 m) | 1 – 4 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Grevillea pyramidalis* subsp. *leucadendron* | Shrub (>2 m) | < 1 |
| *Hakea chordophylla* | Shrub (>2 m) | < 1 |
| *Kirganelia baccata* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Adriana tomentosa* var. *tomentosa* | Shrub (1-2 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Vachellia farnesiana* | Shrub (1-2 m) | < 1 |
| *Astrotricha hamptonii* | Shrub (0.5-1 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Melaleuca bracteata* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (0.5-1 m) | 5 – 9 |
| *Schoenoplectus subulatus* | Sedge (0.5-1 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Fimbristylis sieberiana* | Sedge (<0.5 m) | < 1 |
| *Typha domingensis* | Herb (1-2 m) | < 1 |
| *Rhynchosia bungarensis* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cynanchum viminale* subsp. *australe* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Lobelia arnhemiaca* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Stylidium fluminense* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Enneapogon lindleyanus* | Tussock Grass (0.5-1 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | 10 – 24 |
| *Eulalia aurea* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Aristida burbidgeae* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_174

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 449434.07 mE 7507040.26 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Light brown | **Soil texture** | Sandy clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| ?*Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| ?*Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 33 – 49 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 50 – 74 |

# WY_E_175

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 27/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 449516.3 mE 7500832.87 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Poor | **Disturbance** | High weed cover and grazing. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | Assoc. |
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Santalum lanceolatum* | Shrub (1-2 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90) | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Melhania oblongifolia* | Shrub (<0.5 m) | < 1 |
| *Sida ?echinocarpa* | Shrub (<0.5 m) | 1 – 4 |
| *Solanum elatius* | Shrub (<0.5 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (<0.5 m) | 5 – 9 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *decumbens* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Goodenia nuda* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | 1 – 4 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea corymbosa* var. *corymbosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Scaevola amblyanthera* var. *amblyanthera* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (0.5-1 m) | 10 – 24 |
| *Cenchrus setiger* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Chrysopogon fallax* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 5 – 9 |

# WY_E_176

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/AS |
| **Northwest corner** | 50K 449719.8 mE 7509849.43 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Dampiera candicans* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| ?*Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea holtzei* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_177

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 449699.24 mE 7510918.25 mN | | | | |
| **Landform** | Mesa | **Slope** | Steep | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia arida* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus ?lasiocarpus* | Shrub (1-2 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (1-2 m) | 10 – 24 |

# WY_E_178

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 450341.82 mE 7505774.13 mN | | | | |
| **Landform** | Ridge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Dampiera candicans* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | 1 – 4 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_179

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 450724.55 mE 7500447.92 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Quartz/quartzite | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (<0.5 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_180

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/AS |
| **Northwest corner** | 50K 451629.33 mE 7510214.31 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus ?lasiocarpus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Sida* ?sp. spiciform panicles (E. Leyland s.n. 14/8/90) | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia burbidgeana* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Calocephalus knappii* | Herb (<0.5 m) | < 1 |
| *Calotis plumulifera* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cullen graveolens* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena affinis* subsp. *pilbarensis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Ixiochlamys cuneifolia* | Herb (<0.5 m) | < 1 |
| *Lepidium pholidogynum* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Swainsona complanata* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_181

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 451860.85 mE 7499481.19 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 10 – 24 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (>2 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna* sp. Meekatharra (E. Bailey 1-26) | Shrub (1-2 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | 5 – 9 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (0.5-1 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_182

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AC |
| **Northwest corner** | 50K 452989.21 mE 7497853.14 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila latrobei* subsp. *filiformis* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Senna ?stricta* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Maireana planifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus schwartzii* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Seringia ?nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* | Shrub (<0.5 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Maireana melanocoma* | Shrub (<0.5 m) | 1 – 4 |
| *Maireana villosa* | Shrub (<0.5 m) | < 1 |
| *Rhagodia eremaea* | Shrub (<0.5 m) | < 1 |
| *Scaevola spinescens* | Shrub (<0.5 m) | < 1 |
| *Senna ?glutinosa* subsp. *glutinosa* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Cynanchum viminale* subsp. *australe* | Herb (1-2 m) | 1 – 4 |
| *Sclerolaena densiflora* | Herb (0.5-1 m) | 1 – 4 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 1 – 4 |

# WY_E_183

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 451922.66 mE 7504720.78 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Granite | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Solanum elatius* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | < 1 |
| ?*Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_184

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 27/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 452290.71 mE 7498581.65 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone, quartz | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia ?aptaneura* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Scaevola spinescens* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Dodonaea petiolaris* | Shrub (0.5-1 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (0.5-1 m) | < 1 |
| *Eremophila latrobei* subsp. *filiformis* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Rhagodia eremaea* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna* sp. Meekatharra (E. Bailey 1-26) | Shrub (0.5-1 m) | < 1 |
| *Senna ?stricta* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Maireana* sp. (indet.) | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | 1 – 4 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Cynanchum viminale* subsp. *australe* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus ?auriculifolius* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_185

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 452290.86 mE 7509380.33 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Ptilotus ?obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 75 – 94 |

# WY_E_186

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 27/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 452637.93 mE 7497001.18 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Granite | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia ancistrocarpa* | Shrub (>2 m) | 10 – 24 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | 1 – 4 |
| *Sida* ?*echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Triumfetta clementii* | Shrub (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (0.5-1 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Euploca inexplicita* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_187

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 452950.24 mE 7498965.76 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Hakea chordophylla* | Shrub (1-2 m) | 1 – 4 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (0.5-1 m) | < 1 |
| *Tribulus platypterus* | Shrub (0.5-1 m) | 5 – 9 |
| *Acacia arida* | Shrub (<0.5 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (<0.5 m) | < 1 |
| *Acacia maitlandii* | Shrub (<0.5 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (<0.5 m) | 1 – 4 |
| *Indigofera rugosa* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90) | Shrub (<0.5 m) | < 1 |
| *Solanum elatius* | Shrub (<0.5 m) | < 1 |
| *Solanum phlomoides* | Shrub (<0.5 m) | < 1 |
| *Triumfetta ?appendiculata* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 5 – 9 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus axillaris* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Stackhousia muricata* subsp. annual (W.R. Barker 2172) | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_188

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 453658.12 mE 7507311.89 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Melaleuca argentea* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia coriacea* subsp. *pendens* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Acacia tumida* var. *pilbarensis* | Shrub (1-2 m) | < 1 |
| *Dodonaea lanceolata* var. *lanceolata* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Cajanus cinereus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (0.5-1 m) | 5 – 9 |
| *Goodenia stobbsiana* | Herb (1-2 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | 1 – 4 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_189

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 453570.42 mE 7506796.62 mN | | | | |
| **Landform** | Gorge | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (<10 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Ficus brachypoda* | Shrub (>2 m) | 1 – 4 |
| *Melaleuca glomerata* | Shrub (>2 m) | 5 – 9 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (1-2 m) | < 1 |
| *Kirganelia baccata* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus difformis* | Sedge (<0.5 m) | < 1 |
| *Cyperus leptocarpus* | Sedge (<0.5 m) | < 1 |
| *Cyperus squarrosus* | Sedge (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (<0.5 m) | 5 – 9 |
| *Fimbristylis dichotoma* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis microcarya* | Sedge (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (0.5-1 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Commelina ensifolia* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Lobelia arnhemiaca* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne benthamii* | Tussock Grass (0.5-1 m) | < 1 |
| *Eulalia aurea* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Sporobolus australasicus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | 10 – 24 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne ciliata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |
| *Tinospora smilacina* | Vine (<0.5 m) | < 1 |

# WY_E_190

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Relevé | **Botanist** | SN/AS |
| **Northwest corner** | 50K 453697.57 mE 7502549.43 mN | | | | |
| **Landform** | Ridge | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (1-2 m) | 10 – 24 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | < 1 |
| *Acacia bivenosa* | Shrub (<0.5 m) | < 1 |
| ?*Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (0.5-1 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | 1 – 4 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_191

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 454230 mE 7505084.45 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 5 – 9 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 75 – 94 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_192

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AS |
| **Northwest corner** | 50K 454497.31 mE 7496011.3 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | < 1 |
| *Psydrax latifolia* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus schwartzii* | Shrub (0.5-1 m) | < 1 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia arida* | Shrub (<0.5 m) | < 1 |
| *Maireana melanocoma* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Sida ?arenicola* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Sida* sp. dark green fruits (S. van Leeuwen 2260) | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_193

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 454893.38 mE 7495789.65 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

No site image.

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia tetragonophylla* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Acacia xiphophylla* | Shrub (1-2 m) | 10 – 24 |
| *Eremophila latrobei* subsp. *filiformis* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Maireana triptera* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus schwartzii* | Shrub (<0.5 m) | < 1 |
| *Rhagodia eremaea* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Cynanchum viminale* subsp. *australe* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida* sp. dark green fruits (S. van Leeuwen 2260) | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 5 – 9 |

# WY_E_194

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 454765.78 mE 7508514.42 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 25 – 32 |
| *Grevillea wickhamii* | Shrub (1-2 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia uniovulata* | Shrub (0.5-1 m) | 5 – 9 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_195

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 454860.05 mE 7501097.51 mN | | | | |
| **Landform** | Undulating plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone, quartz, granite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia atkinsiana* | Shrub (>2 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (0.5-1 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Seringia exastia* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (0.5-1 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Solanum diversiflorum* | Herb (0.5-1 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Calotis plumulifera* | Herb (<0.5 m) | < 1 |
| *Diplopeltis stuartii* var. *stuartii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Lepidium ?oxytrichum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Neurachne muelleri* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_196

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 455059.65 mE 7507809.48 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia ancistrocarpa* | Shrub (>2 m) | 1 – 4 |
| ?*Hibiscus sturtii* var. *campylochlamys* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Indigofera monophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (<0.5 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_197

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AC |
| **Northwest corner** | 50K 455056.11 mE 7507226.44 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (0.5-1 m) | 1 – 4 |
| *?Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Triumfetta ?appendiculata* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_198

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 455520.77 mE 7501983.72 mN | | | | |
| **Landform** | Crest/hill top | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Hakea chordophylla* | Shrub (>2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Ptilotus ?obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | 1 – 4 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 5 – 9 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_199

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 455684.6 mE 7501100.47 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | Assoc. |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia kempeana* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Brachyscome iberidifolia* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Calotis plumulifera* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona* | Herb (<0.5 m) | < 1 |
| *Euphorbia vaccaria* var. *vaccaria* | Herb (<0.5 m) | < 1 |
| *Euploca ?cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_200

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 455470.77 mE 7509396.96 mN | | | | |
| **Landform** | Crest/hill top | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_201

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 455719.29 mE 7501580.6 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (0.5-1 m) | 5 – 9 |
| *Ptilotus fusiformis* | Herb (0.5-1 m) | 5 – 9 |
| *Abutilon amplum* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 75 – 94 |

# WY_E_202

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 26/04/2024 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 456101.81 mE 7505484.93 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia maitlandii* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (>2 m) | 1 – 4 |
| *Grevillea pyramidalis* subsp. *leucadendron* | Shrub (>2 m) | < 1 |
| *Grevillea wickhamii* | Shrub (>2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (>2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (>2 m) | 1 – 4 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Shrub (1-2 m) | < 1 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (0.5-1 m) | 1 – 4 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia lamprosperma* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Pluchea dentex* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus macrocarpus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | 10 – 24 |
| *Eulalia aurea* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | < 1 |

# WY_E_203

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 456117 mE 7507036 mN | | | | |
| **Landform** | Ridge | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 10 – 24 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Eremophila longifolia* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 10 – 24 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Tephrosia* sp. NW Eremaean (S. van Leeuwen et al. PBS 0356) | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Lobelia arnhemiaca* | Herb (<0.5 m) | < 1 |
| *Nicotiana bilybara* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_204

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 456237.15 mE 7508757.84 mN | | | | |
| **Landform** | Floodplain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | Assoc. |
| *Eucalyptus victrix* | Tree (10-30 m) | Assoc. |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Argemone ochroleuca* subsp. *ochroleuca* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calocephalus knappii* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* subsp. *rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Lepidium muelleri-ferdinandi* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Sida* ?sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Cenchrus setiger* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Tragus australianus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_205

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 456353.87 mE 7502398.01 mN | | | | |
| **Landform** | Crest/hill top | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 5 – 9 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia ptychophylla* | Shrub (<0.5 m) | 5 – 9 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | 1 – 4 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (1-2 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_206

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 25/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 456431.76 mE 7510524.22 mN | | | | |
| **Landform** | Floodplain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | NA | **Rock size** | NA | **Rock cover** | NA |
| **Vegetation condition** | Poor | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia sclerosperma* subsp. *sclerosperma* | Shrub (>2 m) | 10 – 24 |
| *Acacia synchronicia* | Shrub (>2 m) | 25 – 32 |
| *Vachellia farnesiana* | Shrub (>2 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 10 – 24 |

# WY_E_207

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 456803.32 mE 7508522.22 mN | | | | |
| **Landform** | Mesa | **Slope** | Steep | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Solanum elatius* | Shrub (1-2 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Duperreya commixta* | Herb (1-2 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_208

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 456852.18 mE 7503247.11 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia arida* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | 1 – 4 |
| *Melaleuca glomerata* | Shrub (>2 m) | 10 – 24 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus ?lasiocarpus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (0.5-1 m) | < 1 |
| *Swainsona maccullochiana* | Herb (1-2 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (0.5-1 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (0.5-1 m) | 5 – 9 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (0.5-1 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis/vaccaria* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?trigonosperma* | Herb (<0.5 m) | < 1 |
| *Euploca ?heterantha* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_209

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 456785.58 mE 7504918.38 mN | | | | |
| **Landform** | Ridge | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (10-30 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Seringia exastia* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Ptilotus ?obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_210

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 457126.18 mE 7507394.57 mN | | | | |
| **Landform** | Crest/hill top | **Slope** | Moderate | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| ?*Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_211

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 456999.38 mE 7519415.92 mN | | | | |
| **Landform** | Hill | **Slope** | Gentle | | |
| **Soil colour** | Brown | **Soil texture** | Sand | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

No site image.

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (1-2 m) | 5 – 9 |
| *Aerva javanica* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (<0.5 m) | Assoc. |
| *Tribulus suberosus* | Shrub (<0.5 m) | 1 – 4 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus incanus* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_212

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 457067.06 mE 7505331.42 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | Assoc. |
| *Ptilotus* ?*obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (<0.5 m) | < 1 |
| *Sida* ?sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | 5 – 9 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_213

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/SN |
| **Northwest corner** | 50K 456401.07 mE 7506367.81 mN | | | | |
| **Landform** | Plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone, granite, basalt | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (>2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. | Shrub (<0.5 m) | < 1 |
| *Corchorus ?lasiocarpus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus ?astrolasius* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 5 – 9 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_214

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 457161.68 mE 7510819.33 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Poor | **Disturbance** | High weed cover and grazing. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 25 – 32 |
| *Hakea ?lorea* subsp. *lorea* | Shrub (>2 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | Assoc. |
| *Sclerolaena densiflora* | Herb (<0.5 m) | 10 – 24 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 25 – 32 |

# WY_E_215

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 457102 mE 7504863 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Mixed | **Rock cover** | 30 – 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (<10 m) | 10 – 24 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tumida* var. *pilbarensis* | Shrub (1-2 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (1-2 m) | 5 – 9 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (<0.5 m) | 1 – 4 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_216

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/AS |
| **Northwest corner** | 50K 457545.52 mE 7501854.27 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (>2 m) | 5 – 9 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Gossypium robinsonii* | Shrub (<0.5 m) | < 1 |
| *Sida ?echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (0.5-1 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Amaranthus ?undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Boerhavia gardneri* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis/vaccaria* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Ixiochlamys cuneifolia* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus axillaris* | Herb (<0.5 m) | < 1 |
| *Ptilotus fusiformis* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Tribulus ?hirsutus* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_217

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 457769.67 mE 7511145.63 mN | | | | |
| **Landform** | Floodplain | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Granite | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Gossypium australe* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (1-2 m) | < 1 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Calocephalus knappii* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Rhynchosia bungarensis* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (0.5-1 m) | < 1 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_218

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 457637.12 mE 7519225.46 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded iron formation, calcrete | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia ferriticola* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (>2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (1-2 m) | 5 – 9 |
| *Ficus brachypoda* | Shrub (1-2 m) | Assoc. |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 5 – 9 |
| *Sida* ?sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia gardneri* | Herb (<0.5 m) | 1 – 4 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa* ?*decurrens* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Tinospora smilacina* | Vine (<0.5 m) | < 1 |

# WY_E_219

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AS |
| **Northwest corner** | 50K 458104.01 mE 7519382.66 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Brown | **Soil texture** | Clay loam | | |
| **Rock type** | Sandstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium australe* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 10 – 24 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera rivularis* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Aerva javanica* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (<0.5 m) | 1 – 4 |
| *Marieana ?villosa* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia gardneri* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_220

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 26/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 458390.69 mE 7516512.36 mN | | | | |
| **Landform** | Gorge | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Brachychiton gregorii* | Tree (<10 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (<10 m) | 5 – 9 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | 1 – 4 |
| *Acacia pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 1 – 4 |
| *Astrotricha hamptonii* | Shrub (1-2 m) | < 1 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Kirganelia baccata* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Capparis spinosa* subsp. *nummularia* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (<0.5 m) | 1 – 4 |
| *Nellica maderaspatensis* | Herb (1-2 m) | < 1 |
| *Abutilon ?fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Pluchea ?dentex* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | 5 – 9 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_221

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 458615.14 mE 7518999.42 mN | | | | |
| **Landform** | Ridge | **Slope** | Steep | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Banded iron formation | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (1-2 m) | 1 – 4 |
| *Ficus brachypoda* | Shrub (1-2 m) | < 1 |
| *Gossypium australe* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 5 – 9 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Aerva javanica* | Shrub (<0.5 m) | < 1 |
| *Tribulus platypterus* | Shrub (<0.5 m) | < 1 |
| *Cynanchum viminale* subsp. *australe* | Herb (1-2 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia gardneri* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_222

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 26/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 458724.79 mE 7510912.25 mN | | | | |
| **Landform** | Ridge | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_223

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 459013.01 mE 7509928.68 mN | | | | |
| **Landform** | Plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Basalt | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Maireana planifolia* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Rhagodia eremaea* | Shrub (<0.5 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_224

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 459258.57 mE 7514590.71 mN | | | | |
| **Landform** | Ridge | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Acacia bivenosa* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_225

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 16/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 459681.69 mE 7510131.41 mN | | | | |
| **Landform** | Ridge | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Hakea chordophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 5 – 9 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia arida* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Dampiera candicans* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (1-2 m) | 1 – 4 |
| *Ptilotus clementii* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_226

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 25/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 459659.98 mE 7517132.16 mN | | | | |
| **Landform** | Ridge | **Slope** | Steep | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Hakea chordophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* | Shrub (<0.5 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | 1 – 4 |
| *Ptilotus ?obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | 5 – 9 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_227

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/SN |
| **Northwest corner** | 50K 459734.96 mE 7512849.84 mN | | | | |
| **Landform** | Ridge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Triumfetta ?maconochieana* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 5 – 9 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia cusackiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_228

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/SN |
| **Northwest corner** | 50K 459463.46 mE 7518894.74 mN | | | | |
| **Landform** | Mesa | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | 5 – 9 |
| *Corchorus ?lasiocarpus* | Shrub (0.5-1 m) | 1 – 4 |
| *Dampiera candicans* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (1-2 m) | 1 – 4 |
| *Pterocaulon sphacelatum* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia ?microptera* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Streptoglossa ?decurrens* | Herb (<0.5 m) | < 1 |
| *Aristida holathera* var. *holathera* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_229

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AC |
| **Northwest corner** | 50K 460345.62 mE 7511985.51 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Poor | **Disturbance** | High weed cover and grazing. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Corchorus laniflorus* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (1-2 m) | 1 – 4 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (<0.5 m) | < 1 |
| *Calotis hispidula* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Cenchrus ciliaris/setiger* | Tussock Grass (<0.5 m) | 25 – 32 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_230

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 461055.47 mE 7510719.04 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Granite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (<0.5 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_231

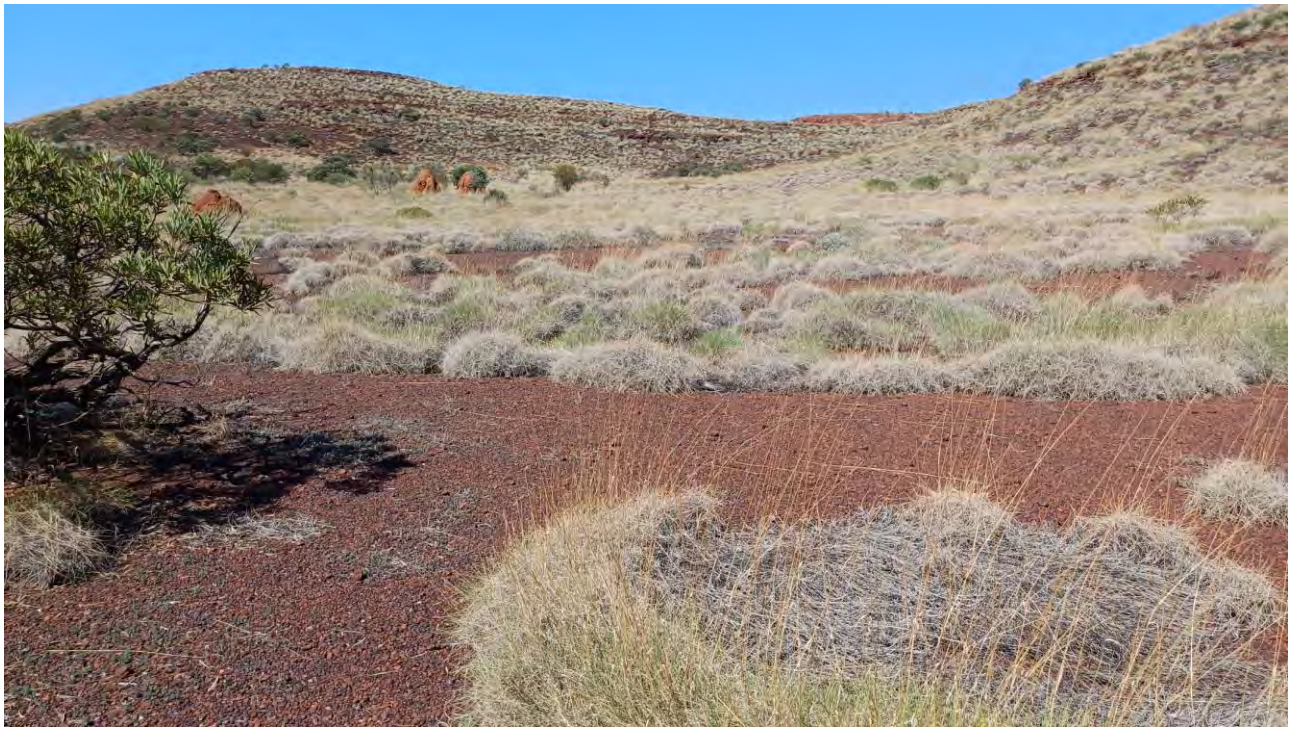
| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 461193.87 mE 7514857.61 mN | | | | |
| **Landform** | Minor creek (< 5 m) | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | 1 – 4 |
| *Santalum lanceolatum* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Gossypium australe* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Argemone ochroleuca* subsp. *ochroleuca* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dicladanthera forrestii* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Lepidium oxytrichum* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Rumex vesicarius* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_232

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 461514.24 mE 7507518 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |



| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia ?aptaneura* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Acacia bivenosa* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Vincetoxicum lineare* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_233

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 461569.92 mE 7515466.93 mN | | | | |
| **Landform** | Hill | **Slope** | Steep | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (0.5-1 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_234

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 26/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN |
| **Northwest corner** | 50K 462191.67 mE 7506404.08 mN | | | | |
| **Landform** | Plain | **Slope** | Gentle | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Clerodendrum tomentosum* var. *lanceolatum* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_235

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/AS |
| **Northwest corner** | 50K 462877.06 mE 7507690.93 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Grevillea berryana* | Shrub (>2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Rhagodia eremaea* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 5 – 9 |
| *Scaevola spinescens* | Shrub (0.5-1 m) | < 1 |
| ?*Maireana villosa* | Shrub (<0.5 m) | < 1 |
| *Dipteracanthus australasicus* | Shrub (<0.5 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (<0.5 m) | < 1 |
| *Hibiscus* sp. Gardneri (A.L. Payne PRP 1435) | Shrub (<0.5 m) | < 1 |
| *Maireana planifolia* | Shrub (<0.5 m) | < 1 |
| *Ptilotus schwartzii* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (<0.5 m) | < 1 |
| *Abutilon* ?*fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Hibiscus* ?*coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Sida* ?*fibulifera* | Herb (<0.5 m) | < 1 |
| *Cynodon prostratus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_236

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 463036.01 mE 7506416.37 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (>2 m) | 5 – 9 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (>2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | 5 – 9 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Tribulus suberosus* | Shrub (1-2 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (1-2 m) | 75 – 94 |

# WY_E_237

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AC |
| **Northwest corner** | 50K 463405.64 mE 7507243.49 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia ?aptaneura* | Shrub (>2 m) | Assoc. |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 5 – 9 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Eremophila forrestii* subsp. *forrestii* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (<0.5 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Sclerolaena eriacantha* | Herb (<0.5 m) | < 1 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Sporobolus australasicus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_238

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 463984.84 mE 7504724.38 mN | | | | |
| **Landform** | Ridge | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Grevillea berryana* | Shrub (>2 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Hakea chordophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Ptilotus fusiformis* | Herb (0.5-1 m) | 1 – 4 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_239

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 26/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN |
| **Northwest corner** | 50K 464765.64 mE 7505755.55 mN | | | | |
| **Landform** | Floodplain | **Slope** | | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Quartz/quartzite | **Rock size** | Mixed | **Rock cover** | < 10% |
| **Vegetation condition** | Poor | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| ?*Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 10 – 24 |

# WY_E_240

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 465170.02 mE 7505076.36 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (10-30 m) | 5 – 9 |
| *Acacia pyrifolia* | Shrub (>2 m) | 5 – 9 |
| *Corchorus crozophorifolius* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | Assoc. |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (<0.5 m) | < 1 |
| *Streptoglossa* sp. (indet.) | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Argemone ochroleuca* subsp. *ochroleuca* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 5 – 9 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Euploca ?cunninghamii* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rumex vesicarius* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | < 1 |

# WY_E_241

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/SN |
| **Northwest corner** | 50K 475858.59 mE 7510712.29 mN | | | | |
| **Landform** | Ridge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Banded iron formation | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 1 – 4 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia ?aptaneura* | Shrub (1-2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | < 1 |
| *Ficus brachypoda* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | Assoc. |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Acacia maitlandii* | Shrub (0.5-1 m) | < 1 |
| *Acacia pyrifolia* | Shrub (0.5-1 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | Assoc. |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia ?supina* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_242

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AS |
| **Northwest corner** | 50K 475298.26 mE 7510794.56 mN | | | | |
| **Landform** | Floodplain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | 5 – 9 |
| *Acacia ?aptaneura* | Shrub (>2 m) | 10 – 24 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Acacia kempeana* | Shrub (>2 m) | 25 – 32 |
| *Hakea lorea* subsp. *lorea* | Shrub (>2 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (1-2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Sida ?echinocarpa* | Shrub (<0.5 m) | 1 – 4 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Vincetoxicum lineare* | Herb (0.5-1 m) | < 1 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | 1 – 4 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Calotis hispidula* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania melanocarpa* forma *leucocarpa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Lepidium phlebopetalum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | < 1 |
| *Ptilotus polystachyus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus ?hirsutus* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_243

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 475883.05 mE 7510594.38 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (10-30 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (10-30 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (>2 m) | < 1 |
| *Tribulus suberosus* | Shrub (>2 m) | < 1 |
| *Indigofera monophylla* | Shrub (1-2 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | 1 – 4 |
| ?*Enchylaena tomentosa* | Shrub (<0.5 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (<0.5 m) | < 1 |
| *Gossypium robinsonii* | Shrub (<0.5 m) | < 1 |
| *Indigofera rivularis* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Cyperus cunninghamii* subsp. *cunninghamii* | Sedge (0.5-1 m) | < 1 |
| *Cyperus hesperius* | Sedge (0.5-1 m) | < 1 |
| *Tribulus* sp. (indet.) | Herb (<0.5 m) | < 1 |
| *Abutilon amplum* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 10 – 24 |
| *Bidens bipinnata* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dicladanthera forrestii* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis/vaccaria* | Herb (<0.5 m) | 1 – 4 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Operculina aequisepala* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Waltheria indica* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | < 1 |

# WY_E_244

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 476837.62 mE 7510434.62 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Hakea lorea* subsp. *lorea* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (<0.5 m) | < 1 |
| *Goodenia cusackiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 10 – 24 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_245

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 477649.24 mE 7510960.45 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (10-30 m) | 1 – 4 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia arida* | Shrub (>2 m) | 5 – 9 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 10 – 24 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | 1 – 4 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_246

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 462051.99 mE 7511732.84 mN | | | | |
| **Landform** | Plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (0.5-1 m) | 5 – 9 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | Assoc. |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 1 – 4 |
| *Sida echinocarpa* | Shrub (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_247

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 451939 mE 7503965 mN | | | | |
| **Landform** | Ridge | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 5 – 9 |
| *Acacia arida* | Shrub (>2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia retivenea* subsp. *clandestina* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia pyrifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | < 1 |
| *Cyperus hesperius* | Sedge (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_248

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 479374.57 mE 7501531.89 mN | | | | |
| **Landform** | Mesa | **Slope** | Steep | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Eremophila latrobei* subsp. *filiformis* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus rotundifolius* | Shrub (0.5-1 m) | < 1 |
| *Maireana planifolia* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_249

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/AS |
| **Northwest corner** | 50K 479302.11 mE 7511451.53 mN | | | | |
| **Landform** | Mesa | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone, pisolite | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia ?aptaneura* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | 5 – 9 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus ?lasiocarpus* | Shrub (<0.5 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Eremophila longifolia* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Sida ?echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (0.5-1 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Sclerolaena ?densiflora* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Sida rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_250

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 28/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 479184.25 mE 7507103.76 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | 5 – 9 |
| *Eucalyptus victrix* | Tree (10-30 m) | Assoc. |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (>2 m) | 5 – 9 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Capparis lasiantha* | Shrub (1-2 m) | 1 – 4 |
| *Capparis spinosa* subsp. *nummularia* | Shrub (1-2 m) | < 1 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Clerodendrum tomentosum* var. *lanceolatum* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 5 – 9 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Rhagodia eremaea* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | 1 – 4 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Dipteracanthus australasicus* | Shrub (<0.5 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Maireana planifolia* | Shrub (<0.5 m) | < 1 |
| *Sida ?echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Abutilon amplum* | Herb (1-2 m) | < 1 |
| *Achyranthes aspera* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dicladanthera forrestii* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Streptoglossa decurrens* | Herb (<0.5 m) | < 1 |
| *Waltheria indica* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 5 – 9 |

# WY_E_251

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 479815.59 mE 7510710.15 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Poor | **Disturbance** | High weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | Assoc. |
| *Eucalyptus victrix* | Tree (10-30 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Indigofera rivularis* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia coriacea* subsp. *pendens* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (1-2 m) | 1 – 4 |
| *Dodonaea ?pachyneura* | Shrub (1-2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (1-2 m) | 1 – 4 |
| *Santalum lanceolatum* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Aerva javanica* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Shrub (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (<0.5 m) | < 1 |
| *Dipteracanthus australasicus* | Shrub (<0.5 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Hakea chordophylla* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dicladanthera forrestii* | Herb (<0.5 m) | 1 – 4 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Lepidium oxytrichum* | Herb (<0.5 m) | < 1 |
| *Malvastrum americanum* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Sida rohlenae* subsp. *rohlenae* | Herb (<0.5 m) | < 1 |
| *Waltheria indica* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 25 – 32 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_252

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/AC |
| **Northwest corner** | 50K 448288 mE 7505651 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Poor | **Disturbance** | High weed cover and grazing. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | 5 – 9 |
| *Eucalyptus victrix* | Tree (10-30 m) | 25 – 32 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | 5 – 9 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Melaleuca glomerata* | Shrub (1-2 m) | 5 – 9 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Vachellia farnesiana* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | 1 – 4 |
| *Petalostylis labicheoides* | Shrub (0.5-1 m) | 5 – 9 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (<0.5 m) | 5 – 9 |
| *Abutilon fraseri* subsp. *fraseri* | Herb (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Datura leichhardtii* subsp. *leichhardtii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Flaveria trinervia* | Herb (<0.5 m) | < 1 |
| *Glycine canescens* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Pluchea rubelliflora* | Herb (<0.5 m) | 1 – 4 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Polymeria ambigua* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhynchosia bungarensis* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 33 – 49 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Eulalia aurea* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_253

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 480902.21 mE 7507043.07 mN | | | | |
| **Landform** | Minor creek (< 5 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 25 – 32 |
| *Acacia pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila longifolia* | Shrub (1-2 m) | 1 – 4 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Acacia maitlandii* | Shrub (<0.5 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (0.5-1 m) | < 1 |
| *Tribulus* sp. (indet.) | Herb (0.5-1 m) | < 1 |
| *Abutilon amplum* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 5 – 9 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calocephalus knappii* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Lepidium muelleri-ferdinandi* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Roepera eichleri* | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trachymene pilbarensis* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Waltheria indica* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Cenchrus ciliaris/setiger* | Tussock Grass (<0.5 m) | 10 – 24 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_254

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 461335.77 mE 7513326.44 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (10-30 m) | 10 – 24 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (<0.5 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | 1 – 4 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_255

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 481219.6 mE 7507300.24 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia arida* | Shrub (1-2 m) | 10 – 24 |
| *Acacia maitlandii* | Shrub (1-2 m) | 1 – 4 |
| *Cullen leucochaites* | Shrub (1-2 m) | < 1 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | < 1 |
| *Hakea chordophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (0.5-1 m) | < 1 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 33 – 49 |

# WY_E_256

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 481611.52 mE 7508994.97 mN | | | | |
| **Landform** | Mesa | **Slope** | Steep | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia pruinocarpa* | Shrub (>2 m) | 10 – 24 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Maireana villosa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (1-2 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_257

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 481785.8 mE 7509715.12 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Corymbia hamersleyana* | Tree (<10 m) | < 1 |
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Acacia maitlandii* | Shrub (1-2 m) | < 1 |
| *Acacia ?marramamba* | Shrub (1-2 m) | 1 – 4 |
| *Hakea chordophylla* | Shrub (1-2 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (0.5-1 m) | < 1 |
| *Bonamia ?rosea* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* subsp. *rhadinostachya* | Herb (0.5-1 m) | < 1 |
| *Goodenia microptera* | Herb (0.5-1 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Cheilanthes contigua* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_258

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 459691.03 mE 7512222.97 mN | | | | |
| **Landform** | Undulating plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida echinocarpa* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Gossypium australe* | Shrub (<0.5 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (0.5-1 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_259

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 24/04/2024 | **Site type** | Flora: Relevé | **Botanist** | AC |
| **Northwest corner** | 50K 454315.69 mE 7505934.58 mN | | | | |
| **Landform** | Gorge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | 5 – 9 |
| *Melaleuca argentea* | Tree (10-30 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Acacia coriacea* subsp. *pendens* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (>2 m) | 1 – 4 |
| *Acacia tumida* var. *pilbarensis* | Shrub (>2 m) | 1 – 4 |
| *Dodonaea lanceolata* var. *lanceolata* | Shrub (>2 m) | < 1 |
| *Ficus brachypoda* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | 5 – 9 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (>2 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Shrub (1-2 m) | < 1 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Flueggea virosa* subsp. *melanthesoides* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Kirganelia baccata* | Shrub (1-2 m) | 5 – 9 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 5 – 9 |
| *Acacia monticola* | Shrub (0.5-1 m) | < 1 |
| *Clerodendrum tomentosum* var. *lanceolatum* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | 1 – 4 |
| *Dodonaea ?pachyneura* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Cajanus cinereus* | Shrub (<0.5 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Hamersley Range (K. Newbey 10692) | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | < 1 |
| *Cyperus vaginatus* | Sedge (0.5-1 m) | 5 – 9 |
| *Typha domingensis* | Herb (>2 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Commelina ensifolia* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Cyanthillium gracile* | Herb (<0.5 m) | < 1 |
| *Euphorbia trigonosperma* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | 1 – 4 |
| *Streptoglossa ?decurrens* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (<0.5 m) | < 1 |
| *Eulalia aurea* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Tinospora smilacina* | Vine (<0.5 m) | < 1 |

# WY_E_260

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 483108.11 mE 7507585.34 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Eremophila longifolia* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (1-2 m) | 1 – 4 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Shrub (0.5-1 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | 5 – 9 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Dipteracanthus australasicus* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Bidens bipinnata* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | < 1 |
| *Waltheria indica* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Cenchrus ciliaris* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Enneapogon lindleyanus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 5 – 9 |

# WY_E_261

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 483112.2 mE 7507886.04 mN | | | | |
| **Landform** | Plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Basalt | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (10-30 m) | 1 – 4 |
| *Acacia arida* | Shrub (>2 m) | 10 – 24 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 10 – 24 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 25 – 32 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | < 1 |

# WY_E_262

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 12/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 483188.83 mE 7509353.78 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (>2 m) | < 1 |
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | 10 – 24 |
| *Eremophila longifolia* | Shrub (1-2 m) | 1 – 4 |
| *Rhagodia eremaea* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (<0.5 m) | 1 – 4 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Brachyscome iberidifolia* | Herb (<0.5 m) | 1 – 4 |
| *Dysphania rhadinostachya* subsp. *rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_263

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 451846.54 mE 7506077.25 mN | | | | |
| **Landform** | Low hill | **Slope** | Moderate | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Granite | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Eremophila exilifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Cynanchum viminale* subsp. *australe* | Herb (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 10 – 24 |

# WY_E_264

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 478800.51 mE 7504200.89 mN | | | | |
| **Landform** | Ridge | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | 5 – 9 |
| *Acacia maitlandii* | Shrub (1-2 m) | 5 – 9 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Solanum elatius* | Shrub (1-2 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (0.5-1 m) | 1 – 4 |
| *Seringia ?nephrosperma* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Bonamia rosea* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Sida* sp. Pilbara (A.A. Mitchell PRP 1543) | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (0.5-1 m) | 1 – 4 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | 1 – 4 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_265

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 478640.57 mE 7501583.96 mN | | | | |
| **Landform** | Floodplain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy clay loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | < 10% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Hakea chordophylla* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | 1 – 4 |
| *Santalum lanceolatum* | Shrub (0.5-1 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (<0.5 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | 5 – 9 |
| *Jasminum didymum* subsp. *lineare* | Shrub (<0.5 m) | < 1 |
| *Scaevola spinescens* | Shrub (<0.5 m) | 1 – 4 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 1 – 4 |

# WY_E_266

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 26/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 480917.86 mE 7501902.95 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sandy loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus victrix* | Tree (10-30 m) | 5 – 9 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Melaleuca glomerata* | Shrub (1-2 m) | 5 – 9 |
| *Gossypium australe* | Shrub (0.5-1 m) | < 1 |
| *Gossypium robinsonii* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | 1 – 4 |
| *Cyperus vaginatus* | Sedge (0.5-1 m) | 1 – 4 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Cyperus iria* | Sedge (<0.5 m) | < 1 |
| *Cyperus leptocarpus* | Sedge (<0.5 m) | < 1 |
| *Cyperus squarrosus* | Sedge (<0.5 m) | < 1 |
| *Fimbristylis microcarya* | Sedge (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Ammannia multiflora* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia burbidgeana* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Centipeda minima* subsp. *macrocephala* | Herb (<0.5 m) | < 1 |
| *Corchorus tridens* | Herb (<0.5 m) | < 1 |
| *Dysphania melanocarpa* forma *leucocarpa* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Euploca ?cunninghamii* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Goodenia muelleriana* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Goodenia nuda* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Ipomoea muelleri* | Herb (<0.5 m) | < 1 |
| *Ipomoea polymorpha* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Sesbania cannabina* | Herb (<0.5 m) | < 1 |
| *Stemodia grossa* | Herb (<0.5 m) | < 1 |
| *Trianthema triquetrum* | Herb (<0.5 m) | < 1 |
| *Tribulus terrestris* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eulalia aurea* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Dactyloctenium radulans* | Tussock Grass (<0.5 m) | < 1 |
| *Digitaria ctenantha* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis cumingii* | Tussock Grass (<0.5 m) | < 1 |
| *Eragrostis tenellula* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |

# WY_E_267

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AC |
| **Northwest corner** | 50K 479942.29 mE 7501423.77 mN | | | | |
| **Landform** | Floodplain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Good | **Disturbance** | Moderate weed cover, minor grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | Assoc. |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Eremophila longifolia* | Shrub (>2 m) | 5 – 9 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Maireana planifolia* | Shrub (1-2 m) | 1 – 4 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (0.5-1 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (0.5-1 m) | < 1 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Bonamia rosea* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 10 – 24 |
| *Boerhavia coccinea* | Herb (<0.5 m) | 1 – 4 |
| *Calocephalus beardii* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus helipteroides* | Herb (<0.5 m) | 1 – 4 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Trigastrotheca molluginea* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 5 – 9 |
| *Enneapogon polyphyllus* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Setaria verticillata* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 50 – 74 |

# WY_E_268

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH/SN |
| **Northwest corner** | 50K 479772.9 mE 7500393.97 mN | | | | |
| **Landform** | Low hill | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (>2 m) | 1 – 4 |
| *Acacia maitlandii* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Triumfetta maconochieana* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_269

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 478783.32 mE 7505336.09 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia arida* | Shrub (>2 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (>2 m) | < 1 |
| *Vachellia farnesiana* | Shrub (>2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Capparis spinosa* subsp. *nummularia* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Enchylaena tomentosa* var. *tomentosa* | Shrub (0.5-1 m) | < 1 |
| *Indigofera rivularis* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Rhagodia eremaea* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus astrolasius* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Abutilon cunninghamii* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Argemone ochroleuca* subsp. *ochroleuca* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia forrestii* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Lepidium oxytrichum* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 1 – 4 |

# WY_E_270

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 18/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 448757.88 mE 7507965.28 mN | | | | |
| **Landform** | Major creek (5-30 m) | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Sandy clay loam | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus camaldulensis* | Tree (10-30 m) | 1 – 4 |
| *Eucalyptus victrix* | Tree (10-30 m) | 1 – 4 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Stylobasium spathulatum* | Shrub (>2 m) | < 1 |
| *Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618) | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* var. *pyrifolia* | Shrub (1-2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Adriana tomentosa* var. *tomentosa* | Shrub (1-2 m) | < 1 |
| *Aerva javanica* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | < 1 |
| *Gossypium australe* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Hakea lorea* subsp. *lorea* | Shrub (1-2 m) | < 1 |
| *Indigofera rivularis* | Shrub (1-2 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Santalum lanceolatum* | Shrub (1-2 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Solanum elatius* | Shrub (0.5-1 m) | < 1 |
| *Tephrosia densa* | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Datura leichhardtii* subsp. *leichhardtii* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis/vaccaria* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Ixiochlamys cuneifolia* | Herb (<0.5 m) | < 1 |
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Pluchea dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Eriachne tenuiculmis* | Tussock Grass (0.5-1 m) | 5 – 9 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Cenchrus setiger* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 1 – 4 |

# WY_E_271

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 454936.73 mE 7495270.05 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Acacia xiphophylla* | Shrub (1-2 m) | 10 – 24 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Psydrax latifolia* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (0.5-1 m) | < 1 |
| *Senna* sp. Meekatharra (E. Bailey 1-26) | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Maireana triptera* | Shrub (<0.5 m) | 1 – 4 |
| *Rhagodia eremaea* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (<0.5 m) | < 1 |
| *Cynanchum viminale* subsp. *australe* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Sida fibulifera* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 5 – 9 |

# WY_E_272

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 29/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 460912.11 mE 7508155.65 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Acacia tetragonophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Eremophila fraseri* subsp. *fraseri* | Shrub (0.5-1 m) | 1 – 4 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus schwartzii* | Shrub (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_273

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 17/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 458493.43 mE 7501258.55 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Mixed | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | < 1 |
| *Acacia citrinoviridis* | Shrub (>2 m) | 1 – 4 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | < 1 |
| *Corchorus crozophorifolius* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calocephalus knappii* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia vaccaria* var. *vaccaria* | Herb (<0.5 m) | < 1 |
| *Gomphrena cunninghamii* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Heliotropium crispatum* | Herb (<0.5 m) | < 1 |
| *Ixiochlamys cuneifolia* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Portulaca oleracea* | Herb (<0.5 m) | < 1 |
| *Ptilotus aervoides* | Herb (<0.5 m) | < 1 |
| *Ptilotus auriculifolius* | Herb (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Solanum cleistogamum/horridum* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Cymbopogon ambiguus* | Tussock Grass (0.5-1 m) | < 1 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_274

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC/SN |
| **Northwest corner** | 50K 454250.62 mE 7498933.55 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Calcrete | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (>2 m) | 1 – 4 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (1-2 m) | < 1 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Clerodendrum floribundum* var. *angustifolium* | Shrub (0.5-1 m) | < 1 |
| *Solanum phlomoides* | Shrub (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Euploca chrysocarpa* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Tribulus hirsutus* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 25 – 32 |

# WY_E_275

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AC |
| **Northwest corner** | 50K 453929.3 mE 7508778.77 mN | | | | |
| **Landform** | Hill | **Slope** | NA | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | No evidence | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (>2 m) | < 1 |
| *Acacia ancistrocarpa* | Shrub (1-2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (0.5-1 m) | < 1 |
| *Tribulus suberosus* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Haloragis ?gossei* | Herb (0.5-1 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Rhodanthe margarethae* | Herb (<0.5 m) | < 1 |
| *Senna notabilis* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia pisoliticola* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_276

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/SN |
| **Northwest corner** | 50K 453840.4 mE 7495306.96 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Quartz/quartzite | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Acacia inaequilatera* | Shrub (1-2 m) | < 1 |
| *Acacia kempeana* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (1-2 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus crozophorifolius* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia australis/vaccaria* | Herb (<0.5 m) | 1 – 4 |
| *Euploca ?heterantha* | Herb (<0.5 m) | < 1 |
| *Goodenia microptera* | Herb (<0.5 m) | < 1 |
| *Ixiochlamys cuneifolia* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | 1 – 4 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | 1 – 4 |
| *Enneapogon caerulescens* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 25 – 32 |

# WY_E_277

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 28/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | SH |
| **Northwest corner** | 50K 454090.45 mE 7496444.37 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone, quartz | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Recent (1 – 2 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia ?aptaneura* | Shrub (>2 m) | 5 – 9 |
| *Acacia kempeana* | Shrub (>2 m) | < 1 |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (>2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | 1 – 4 |
| *Rhagodia eremaea* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (0.5-1 m) | 1 – 4 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *Abutilon* sp. Pilbara (W.R. Barker 2025) | Shrub (<0.5 m) | 1 – 4 |
| *Aerva javanica* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Eremophila longifolia* | Shrub (<0.5 m) | < 1 |
| *Maireana ?melanocoma* | Shrub (<0.5 m) | 1 – 4 |
| *Ptilotus ?obovatus* var. *obovatus* | Shrub (<0.5 m) | 5 – 9 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (<0.5 m) | < 1 |
| *Sida ?echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) | Shrub (<0.5 m) | < 1 |
| *Triumfetta clementii* | Shrub (<0.5 m) | < 1 |
| *Amaranthus cuspidifolius* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Bonamia pilbarensis* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Indigofera colutea* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Swainsona maccullochiana* | Herb (<0.5 m) | 1 – 4 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Triodia epactia* | Hummock Grass (<0.5 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

# WY_E_278

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 27/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 454211.71 mE 7498335.23 mN | | | | |
| **Landform** | Ridge | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay loam | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Moderate (2 – 3 yrs) | | | | |

No site image.

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | Assoc. |
| *Acacia ?aptaneura* | Shrub (>2 m) | < 1 |
| *Acacia atkinsiana* | Shrub (>2 m) | 1 – 4 |
| *Acacia pruinocarpa* | Shrub (>2 m) | 5 – 9 |
| *Acacia pyrifolia* | Shrub (>2 m) | < 1 |
| *Acacia synchronicia* | Shrub (>2 m) | 5 – 9 |
| *Grevillea berryana* | Shrub (>2 m) | < 1 |
| *Acacia bivenosa* | Shrub (1-2 m) | < 1 |
| *Petalostylis labicheoides* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | 1 – 4 |
| *Acacia arida* | Shrub (0.5-1 m) | < 1 |
| *Corchorus ?lasiocarpus* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Dampiera candicans* | Shrub (<0.5 m) | < 1 |
| *Ptilotus schwartzii* | Shrub (<0.5 m) | < 1 |
| *Solanum phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Duperreya commixta* | Herb (<0.5 m) | < 1 |
| *Goodenia stobbsiana* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Eriachne mucronata* | Tussock Grass (<0.5 m) | < 1 |
| *Eriachne pulchella* subsp. *dominii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_279

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AC |
| **Northwest corner** | 50K 455402.92 mE 7495543.68 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 10 – 24 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (>2 m) | 10 – 24 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (>2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (>2 m) | 1 – 4 |
| *Eremophila exilifolia* | Shrub (1-2 m) | 1 – 4 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | 1 – 4 |
| *Corchorus tectus* | Shrub (<0.5 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (<0.5 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (<0.5 m) | 1 – 4 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum phlomoides* | Shrub (<0.5 m) | < 1 |
| *Tribulus suberosus* | Shrub (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Euphorbia boophthona/tannensis* | Herb (<0.5 m) | < 1 |
| *Goodenia tenuiloba* | Herb (<0.5 m) | < 1 |
| *Hibiscus coatesii* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Solanum horridum* | Herb (<0.5 m) | 1 – 4 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 10 – 24 |

# WY_E_280

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 27/04/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN |
| **Northwest corner** | 50K 453600.08 mE 7497302.07 mN | | | | |
| **Landform** | Undulating plain | **Slope** | Gentle | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Very recent (< 1 yr) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia arida* | Shrub (>2 m) | 10 – 24 |
| *Acacia inaequilatera* | Shrub (>2 m) | 1 – 4 |
| *Acacia synchronicia* | Shrub (>2 m) | 10 – 24 |
| *Acacia tetragonophylla* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 10 – 24 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila latrobei* subsp. *latrobei* | Shrub (1-2 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | 1 – 4 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (1-2 m) | 1 – 4 |
| *Tribulus suberosus* | Shrub (1-2 m) | < 1 |
| ?*Hibiscus sturtii* var. *campylochlamys* | Shrub (0.5-1 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | 1 – 4 |
| *Indigofera monophylla* | Shrub (<0.5 m) | 1 – 4 |
| *Pentalepis trichodesmoides* subsp. *hispida* | Shrub (<0.5 m) | < 1 |
| *Solanum elatius* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Cynanchum viminale* subsp. *australe* | Herb (1-2 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Eremophila latrobei* subsp. *filiformis* | Herb (<0.5 m) | < 1 |
| *Euphorbia australis* var. *subtomentosa* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | 1 – 4 |
| *Solanum horridum* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 1 – 4 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_281

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 15/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | BN/AS |
| **Northwest corner** | 50K 462749.93 mE 7505580.98 mN | | | | |
| **Landform** | Hill | **Slope** | Moderate | | |
| **Soil colour** | Red | **Soil texture** | Clay | | |
| **Rock type** | Ironstone | **Rock size** | Rocky with outcroppings | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia pruinocarpa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| ?*Bulbostylis barbata* | Sedge (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Dolichocarpa crouchiana* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Aristida contorta* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 33 – 49 |

# WY_E_282

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | AC |
| **Northwest corner** | 50K 463227.02 mE 7505829.09 mN | | | | |
| **Landform** | Claypan | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Clay | | |
| **Rock type** | NA | **Rock size** | NA | **Rock cover** | NA |
| **Vegetation condition** | Very Good | **Disturbance** | Minor weed cover and grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Eucalyptus leucophloia* subsp. *leucophloia* | Tree (<10 m) | 1 – 4 |
| *Acacia kempeana* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia monticola* | Shrub (1-2 m) | < 1 |
| *Acacia pyrifolia* | Shrub (1-2 m) | < 1 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Eremophila cuneifolia* | Shrub (0.5-1 m) | < 1 |
| *Jasminum didymum* subsp. *lineare* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Stylobasium spathulatum* | Shrub (0.5-1 m) | < 1 |
| *?Enchylaena tomentosa* | Shrub (<0.5 m) | < 1 |
| *Corchorus laniflorus* | Shrub (<0.5 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Maireana planifolia* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum ?pycnotrichum* | Shrub (<0.5 m) | < 1 |
| *Abutilon lepidum* | Herb (<0.5 m) | < 1 |
| *Alternanthera nana* | Herb (<0.5 m) | < 1 |
| *Amaranthus undulatus* | Herb (<0.5 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | 1 – 4 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Calandrinia ptychosperma* | Herb (<0.5 m) | < 1 |
| *Cheilanthes sieberi* subsp. *sieberi* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* subsp. *inflata* | Herb (<0.5 m) | 1 – 4 |
| *Euphorbia ?biconvexa* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Ptilotus xerophilus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sclerolaena costata* | Herb (<0.5 m) | < 1 |
| *Sclerolaena densiflora* | Herb (<0.5 m) | < 1 |
| *Sida* sp. L (A.M. Ashby 4202) | Herb (<0.5 m) | 1 – 4 |
| *Solanum diversiflorum* | Herb (<0.5 m) | < 1 |
| *Vincetoxicum lineare* | Herb (<0.5 m) | < 1 |
| *Chrysopogon fallax* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 1 – 4 |
| *Perotis rara* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 5 – 9 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 1 – 4 |

# WY_E_283

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 14/08/2024 | **Site type** | Flora: Quadrat | **Botanist** | SN/AS |
| **Northwest corner** | 50K 463703.72 mE 7505943.97 mN | | | | |
| **Landform** | Plain | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Ironstone | **Rock size** | Gravel/pebbles [c. 5 - 60 mm] | **Rock cover** | > 70% |
| **Vegetation condition** | Excellent | **Disturbance** | No significant disturbance. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia synchronicia* | Shrub (>2 m) | 1 – 4 |
| *Acacia xiphophylla* | Shrub (>2 m) | 5 – 9 |
| *Acacia inaequilatera* | Shrub (1-2 m) | 1 – 4 |
| *Acacia tetragonophylla* | Shrub (1-2 m) | < 1 |
| *Corchorus laniflorus* | Shrub (1-2 m) | 1 – 4 |
| *Eremophila cuneifolia* | Shrub (1-2 m) | 1 – 4 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *glutinosa* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. *pruinosa* | Shrub (1-2 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (1-2 m) | < 1 |
| *Tribulus suberosus* | Shrub (1-2 m) | < 1 |
| *Senna glutinosa* subsp. ×*luerssenii* | Shrub (0.5-1 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum* | Shrub (<0.5 m) | < 1 |
| *Abutilon amplum* | Herb (<0.5 m) | < 1 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Dysphania rhadinostachya* subsp. *rhadinostachya* | Herb (<0.5 m) | < 1 |
| *Euphorbia tannensis* subsp. *eremophila* | Herb (<0.5 m) | < 1 |
| *Evolvulus alsinoides* var. *villosicalyx* | Herb (<0.5 m) | < 1 |
| *Hibiscus ?sturtii* var. *campylochlamys* | Herb (<0.5 m) | < 1 |
| *Ptilotus exaltatus* | Herb (<0.5 m) | < 1 |
| *Salsola australis* | Herb (<0.5 m) | < 1 |
| *Sida ?fibulifera* | Herb (<0.5 m) | < 1 |
| *Paspalidium clementii* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia epactia* | Hummock Grass (0.5-1 m) | 75 – 94 |
| *Triodia wiseana* | Hummock Grass (0.5-1 m) | 5 – 9 |

# WY_E_284

| | | | | | |
|---|---|---|---|---|---|
| **Date** | 13/08/2024 | **Site type** | Flora: Relevé | **Botanist** | SH/AC |
| **Northwest corner** | 50K 453809.93 mE 7495967.18 mN | | | | |
| **Landform** | Minor creek (< 5 m) | **Slope** | NA | | |
| **Soil colour** | Reddish brown | **Soil texture** | Sand | | |
| **Rock type** | Mixed river alluvium | **Rock size** | Cobbles [c. 60 - 260 mm] | **Rock cover** | 10 – 30% |
| **Vegetation condition** | Degraded | **Disturbance** | High weed cover and heavy grazing. | | |
| **Time since fire** | Long (> 3 yrs) | | | | |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Acacia citrinoviridis* | Shrub (>2 m) | 5 – 9 |
| *Acacia kempeana* | Shrub (>2 m) | 5 – 9 |
| *Acacia tetragonophylla* | Shrub (>2 m) | < 1 |
| *Gossypium robinsonii* | Shrub (>2 m) | < 1 |
| *Psydrax latifolia* | Shrub (>2 m) | 5 – 9 |
| *Acacia synchronicia* | Shrub (1-2 m) | < 1 |
| *Eremophila longifolia* | Shrub (1-2 m) | 1 – 4 |
| *Acacia bivenosa* | Shrub (0.5-1 m) | < 1 |
| *Corchorus laniflorus* | Shrub (0.5-1 m) | < 1 |
| *Ptilotus obovatus* var. *obovatus* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *helmsii* | Shrub (0.5-1 m) | < 1 |
| *Senna artemisioides* subsp. *oligophylla* | Shrub (0.5-1 m) | < 1 |
| *Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90) | Shrub (0.5-1 m) | < 1 |
| *Afrohybanthus aurantiacus* | Shrub (<0.5 m) | < 1 |
| *Gossypium australe* | Shrub (<0.5 m) | < 1 |
| *Hibiscus sturtii* var. *campylochlamys* | Shrub (<0.5 m) | < 1 |
| *Indigofera monophylla* | Shrub (<0.5 m) | < 1 |
| *Sida echinocarpa* | Shrub (<0.5 m) | < 1 |
| *Solanum lasiophyllum/phlomoides* | Shrub (<0.5 m) | < 1 |
| *Solanum phlomoides* | Shrub (<0.5 m) | < 1 |
| *Triumfetta clementii* | Shrub (<0.5 m) | < 1 |
| *Ptilotus calostachyus* | Herb (0.5-1 m) | < 1 |
| *Trichodesma zeylanicum* var. *zeylanicum* | Herb (0.5-1 m) | < 1 |
| *Arivela viscosa* | Herb (<0.5 m) | < 1 |
| *Boerhavia coccinea* | Herb (<0.5 m) | < 1 |
| *Crotalaria medicaginea* var. *neglecta* | Herb (<0.5 m) | < 1 |
| *Cucumis variabilis* | Herb (<0.5 m) | 1 – 4 |
| *Dendrophyllanthus erwinii* | Herb (<0.5 m) | < 1 |
| *Euphorbia biconvexa* | Herb (<0.5 m) | < 1 |
| *Nellica maderaspatensis* | Herb (<0.5 m) | < 1 |

| Name | Stratum | Percent cover (%) |
|---|---|---|
| *Nicotiana occidentalis* | Herb (<0.5 m) | < 1 |
| *Notoleptopus decaisnei* var. *decaisnei* | Herb (<0.5 m) | < 1 |
| *Pluchea ?dentex* | Herb (<0.5 m) | < 1 |
| *Polycarpaea longiflora* | Herb (<0.5 m) | < 1 |
| *Pterocaulon sphacelatum* | Herb (<0.5 m) | < 1 |
| *Rhynchosia minima* | Herb (<0.5 m) | < 1 |
| *Trachymene oleracea* subsp. *oleracea* | Herb (<0.5 m) | < 1 |
| *Themeda triandra* | Tussock Grass (0.5-1 m) | 1 – 4 |
| *Cenchrus ciliaris* | Tussock Grass (<0.5 m) | 50 – 74 |
| *Cymbopogon ambiguus* | Tussock Grass (<0.5 m) | < 1 |
| *Triodia angusta* | Hummock Grass (1-2 m) | < 1 |
| *Triodia wiseana* | Hummock Grass (<0.5 m) | 5 – 9 |

## Appendix F DBCA Significant Species Report Forms.

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

***Please complete as much of the form as possible, with emphasis on those sections bordered in black.*** For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants

**TAXON:** Cyanthillium gracile **TPFL Pop. No:**

**OBSERVATION DATE:** 30/06/2021 **CONSERVATION STATUS:** P3 **New population** ☐

**OBSERVER/S:** A. I. Craigie **PHONE** 61687200

**ROLE:** Botanist **ORGANISATION:** Ecologia Environment

**EMAIL:** andrew.craigie@ecologia.com.au

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

FMG Wyloo Deposit survey area, ca. 130 km west of Tom Price, WA.

**Reserve No:**

**DBCA DISTRICT:** **LGA:** Shire of Ashburton Land manager present: ☐

**DATUM:**
GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

**COORDINATES:** (If UTM coords provided, **Zone** is also required)
DecDegrees ☐ DegMinSec ☐ UTMs ☒
**Lat / Northing:** 7502666.20
**Long / Easting:** 437171.74
**ZONE:** 50K

**METHOD USED:**
GPS ☒ Differential GPS ☐ Map ☐
No. satellites: ____ Map used: _____
Boundary polygon captured: ☐ Map scale: _____

**LAND TENURE:**

| | | | | |
|---|---|---|---|---|
| Nature reserve ☐ | Timber reserve ☐ | Private property ☐ | Rail reserve ☐ | Shire road reserve ☐ |
| National park ☐ | State forest ☐ | Pastoral lease ☐ | MRWA road reserve ☐ | Other Crown reserve ☐ |
| Conservation park ☐ | Water reserve ☐ | UCL ☐ | SLK/Pole _____ to _____ | Specify other: _____ |

**AREA ASSESSMENT:** Edge survey ☐ Partial survey ☒ Full survey ☐ Area observed (m²): _____

**EFFORT:** Time spent surveying (minutes): _____ No. of minutes spent / 100 m²: _____

**POP'N COUNT ACCURACY:** Actual ☐ Extrapolation ☐ Estimate ☐ Count method: _____
(Refer to field manual for list)

**WHAT COUNTED:** Plants ☒ Clumps ☐ Clonal stems ☐

**TOTAL POP'N STRUCTURE:**

| | Mature: | Juveniles: | Seedlings: | Totals: |
|---|---|---|---|---|
| Alive | 1 | | | 1 |
| Dead | | | | |

Area of pop (m²): _____
Note: Pls record count as numbers (not percentages) for database.

**QUADRATS PRESENT:** No. ____ Size _____ Data attached ☐ Total area of quadrats (m²): _____

| | | | | |
|---|---|---|---|---|
| **Summary Quad. Totals:** Alive | | | | |

**REPRODUCTIVE STATE:**
Clonal ☐ Vegetative ☒ Flowerbud ☐ Flower ☐
Immature fruit ☐ Fruit ☐ Dehisced fruit ☐ Percentage in flower: _____%

**CONDITION OF PLANTS:** Healthy ☒ Moderate ☐ Poor ☐ Senescent ☐

**COMMENT:**

| **THREATS - type, agent and supporting information:**<br>Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. **Specify agent** where relevant.<br>Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme<br>Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) | **Current impact (N-E)** | **Potential Impact (L-E)** | **Potential Threat Onset (S-L)** |
|---|---|---|---|
| • | | | |
| • | | | |
| • | | | |

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

## HABITAT INFORMATION:

**LANDFORM:**
Crest ☐
Hill ☒
Ridge ☐
Outcrop ☐
Slope ☐
Flat ☐
Open depression ☐
Drainage line ☐
Closed depression ☐
Wetland ☐

**ROCK TYPE:**
Granite ☐
Dolerite ☐
Laterite ☐
Ironstone ☒
Limestone ☐
Quartz ☐
Specify other: _____

**LOOSE ROCK:**
(on soil surface; eg gravel, quartz fields)
0-10% ☐
10-30% ☐
30-50% ☐
50-100% ☒

**SOIL TYPE:**
Sand ☐
Sandy loam ☐
Loam ☐
Clay loam ☒
Light clay ☐
Peat ☐
Specify other: _____

**SOIL COLOUR:**
Red ☒
Brown ☐
Yellow ☐
White ☐
Grey ☐
Black ☐
Specify other: _____

**DRAINAGE:**
Well drained ☒
Seasonally inundated ☐
Permanently inundated ☐
Tidal ☐

Specific **Landform** Element: _____
(Refer to field manual for additional values)

**CONDITION OF SOIL:** Dry ☐ Moist ☐ Waterlogged ☐ Inundated ☐

**VEGETATION CLASSIFICATION*:**
Eg: **1**. Banksia woodland (B. attenuata, B. ilicifolia); **2**. Open shrubland (Hibbertia sp., Acacia spp.) ; **3**. Isolated clumps of sedges (M.tetragona)

1. Corymbia ferriticola, Eucalyptus leucophloia subsp. leucophloia low open woodland
2. Dodonaea pachyneura, Astrotricha hamptonii, Triumfetta maconochieana low sparse shrubland
3. Triodia wiseana, Triodia pisoliticola, Eriachne mucronata low sparse hummock grassland/tussock grassland
4.

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine ☐ Excellent ☒ Very good ☐ Good ☐ Degraded ☐ Completely degraded ☐

**COMMENT:** _____

**FIRE HISTORY:** **Last Fire:** Season/Month: _____ Year: _____ **Fire Intensity:** High ☐ Medium ☐ Low ☐ No signs of fire ☐

**FENCING:** Not required ☐ Present ☐ Replace / repair ☐ Required ☐ Length req'd: _____

**ROADSIDE MARKERS:** Not required ☐ Present ☐ Replace / reposition ☐ Required ☐ Quantity req'd: _____

**OTHER COMMENTS:** (Please include recommended management actions and/or implemented actions - include date. Also include details of additional data available, and how to locate it.)

Additional records attached.

**FLORA AUTHORISATION / LICENCE No:** _____ Note if only observing plants (i.e. no specimens or plant matieral is taken) then no authorisation/licence is required. For further information on authorisation and licening requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: A. I. Craigie 1893_02 WA Herb. ☒ Regional Herb. ☐ District Herb. ☐ Other: _____

**LODGEMENT:** WA Herb Lodgement No: _____

**ATTACHED:** Map ☐ Mudmap ☐ Photo ☐ GIS data ☐ Field notes ☐ Other: _____

**COPY SENT TO:** Regional Office ☐ District Office ☐ Other: _____

Submitter of Record: A. Craigie Role: Principle Botanist Signed: _____ Date: / /

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

***Please complete as much of the form as possible, with emphasis on those sections bordered in black.*** For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants

**TAXON:** Indigofera rivularis **TPFL Pop. No:**

**OBSERVATION DATE:** 29/06/2021 **CONSERVATION STATUS:** P3 **New population** ☐

**OBSERVER/S:** A. I. Craigie **PHONE** 61687200

**ROLE:** Botanist **ORGANISATION:** Ecologia Environment

**EMAIL:** andrew.craigie@ecologia.com.au

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

FMG Wyloo Deposit survey area, ca. 130 km west of Tom Price, WA.

**Reserve No:**

**DBCA DISTRICT:** **LGA:** Shire of Ashburton Land manager present: ☐

**DATUM:**
GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

**COORDINATES:** (If UTM coords provided, **Zone** is also required)
DecDegrees ☐ DegMinSec ☐ UTMs ☒
**Lat / Northing:** 7501873.78
**Long / Easting:** 435369.01
**ZONE:** 50K

**METHOD USED:**
GPS ☒ Differential GPS ☐ Map ☐
No. satellites: ____ Map used: _____
Boundary polygon captured: ☐ Map scale: _____

**LAND TENURE:**
Nature reserve ☐ Timber reserve ☐ Private property ☐ Rail reserve ☐ Shire road reserve ☐
National park ☐ State forest ☐ Pastoral lease ☐ MRWA road reserve ☐ Other Crown reserve ☐
Conservation park ☐ Water reserve ☐ UCL ☐ SLK/Pole _____ to _____ Specify other: _____

**AREA ASSESSMENT:** Edge survey ☐ Partial survey ☒ Full survey ☐ Area observed (m²): _____

**EFFORT:** Time spent surveying (minutes): _____ No. of minutes spent / 100 m²: _____

**POP'N COUNT ACCURACY:** Actual ☐ Extrapolation ☐ Estimate ☐ Count method: _____
(Refer to field manual for list)

**WHAT COUNTED:** Plants ☒ Clumps ☐ Clonal stems ☐

**TOTAL POP'N STRUCTURE:**

| | Mature: | Juveniles: | Seedlings: | Totals: |
|---|---|---|---|---|
| Alive | 1 | | | 1 |
| Dead | | | | |

Area of pop (m²): _____
Note: Pls record count as numbers (not percentages) for database.

**QUADRATS PRESENT:** No. ____ Size _____ Data attached ☐ Total area of quadrats (m²): _____

| **Summary Quad. Totals:** Alive | | | | |
|---|---|---|---|---|

**REPRODUCTIVE STATE:** Clonal ☐ Vegetative ☐ Flowerbud ☐ Flower ☒
Immature fruit ☐ Fruit ☐ Dehisced fruit ☐ Percentage in flower: _____%

**CONDITION OF PLANTS:** Healthy ☒ Moderate ☐ Poor ☐ Senescent ☐

**COMMENT:**

| **THREATS - type, agent and supporting information:**<br>Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. **Specify agent** where relevant.<br>Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme<br>Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) | **Current impact (N-E)** | **Potential Impact (L-E)** | **Potential Threat Onset (S-L)** |
|---|---|---|---|
| • | | | |
| • | | | |
| • | | | |

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

**HABITAT INFORMATION:**

**LANDFORM:**
Crest ☐
Hill ☐
Ridge ☐
Outcrop ☐
Slope ☐
Flat ☐
Open depression ☐
Drainage line ☒
Closed depression ☐
Wetland ☐

**ROCK TYPE:**
Granite ☐
Dolerite ☐
Laterite ☐
Ironstone ☒
Limestone ☐
Quartz ☐
Specify other: _____

**LOOSE ROCK:**
(on soil surface; eg gravel, quartz fields)
0-10% ☐
10-30% ☐
30-50% ☐
50-100% ☐

**SOIL TYPE:**
Sand ☐
Sandy loam ☐
Loam ☐
Clay loam ☒
Light clay ☐
Peat ☐
Specify other: _____

**SOIL COLOUR:**
Red ☒
Brown ☐
Yellow ☐
White ☐
Grey ☐
Black ☐
Specify other: _____

**DRAINAGE:**
Well drained ☐
Seasonally inundated ☒
Permanently inundated ☐
Tidal ☐

Specific **Landform** Element: _____
(Refer to field manual for additional values)

**CONDITION OF SOIL:** Dry ☐ Moist ☐ Waterlogged ☐ Inundated ☐

**VEGETATION CLASSIFICATION*:**
Eg: **1**. Banksia woodland (B. attenuata, B. ilicifolia); **2**. Open shrubland (Hibbertia sp., Acacia spp.) ; **3**. Isolated clumps of sedges (M.tetragona)

1. Eucalyptus victrix, Acacia citrinoviridis low open woodland/tall sparse shrubland
2. Senna artemisioides subsp. oligophylla, Corchorus crozophorifolius, Gossypium robinsonii mid sparse shrubland
3. Cenchrus ciliaris, Themeda triandra, Triodia wiseana low sparse tussock grassland/hummock grassland
4.

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine ☐ Excellent ☐ Very good ☐ Good ☒ Degraded ☐ Completely degraded ☐

**COMMENT:** Buffel grass infestation

**FIRE HISTORY:** **Last Fire:** Season/Month: _____ Year: _____ **Fire Intensity:** High ☐ Medium ☐ Low ☐ No signs of fire ☐

**FENCING:** Not required ☐ Present ☐ Replace / repair ☐ Required ☐ Length req'd: _____

**ROADSIDE MARKERS:** Not required ☐ Present ☐ Replace / reposition ☐ Required ☐ Quantity req'd: _____

**OTHER COMMENTS:** (Please include recommended management actions and/or implemented actions - include date. Also include details of additional data available, and how to locate it.)

Additional records attached.

**FLORA AUTHORISATION / LICENCE No:** _____ Note if only observing plants (i.e. no specimens or plant matieral is taken) then no authorisation/licence is required. For further information on authorisation and licening requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: A. I. Craigie 1893_03 WA Herb. ☒ Regional Herb. ☐ District Herb. ☐ Other: _____

**LODGEMENT:** WA Herb Lodgement No: _____

**ATTACHED:** Map ☐ Mudmap ☐ Photo ☐ GIS data ☐ Field notes ☐ Other: _____

**COPY SENT TO:** Regional Office ☐ District Office ☐ Other: _____

Submitter of Record: A. Craigie Role: Principle Botanist Signed: _____ Date: / /

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

***Please complete as much of the form as possible, with emphasis on those sections bordered in black.*** For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants

**TAXON:** Pentalepis trichodesmoides subsp. hispida **TPFL Pop. No:**

**OBSERVATION DATE:** 30/06/2021 **CONSERVATION STATUS:** P2 **New population** ☐

**OBSERVER/S:** A. I. Craigie **PHONE** 61687200

**ROLE:** Botanist **ORGANISATION:** Ecologia Environment

**EMAIL:** andrew.craigie@ecologia.com.au

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

FMG Wyloo Deposit survey area, ca. 130 km west of Tom Price, WA.

**Reserve No:**

**DBCA DISTRICT:** **LGA:** Shire of Ashburton Land manager present: ☐

**DATUM:**
GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

**COORDINATES:** (If UTM coords provided, **Zone** is also required)
DecDegrees ☐ DegMinSec ☐ UTMs ☒
**Lat / Northing:** 7502761.91
**Long / Easting:** 438944.22
**ZONE:** 50K

**METHOD USED:**
GPS ☒ Differential GPS ☐ Map ☐
No. satellites: ____ Map used: _____
Boundary polygon captured: ☐ Map scale: _____

**LAND TENURE:**

| | | | | |
|---|---|---|---|---|
| Nature reserve ☐ | Timber reserve ☐ | Private property ☐ | Rail reserve ☐ | Shire road reserve ☐ |
| National park ☐ | State forest ☐ | Pastoral lease ☐ | MRWA road reserve ☐ | Other Crown reserve ☐ |
| Conservation park ☐ | Water reserve ☐ | UCL ☐ | SLK/Pole _____ to _____ | Specify other: _____ |

**AREA ASSESSMENT:** Edge survey ☐ Partial survey ☒ Full survey ☐ Area observed (m²): _____

**EFFORT:** Time spent surveying (minutes): _____ No. of minutes spent / 100 m²: _____

**POP'N COUNT ACCURACY:** Actual ☐ Extrapolation ☐ Estimate ☐ Count method: _____
(Refer to field manual for list)

**WHAT COUNTED:** Plants ☒ Clumps ☐ Clonal stems ☐

**TOTAL POP'N STRUCTURE:**

| | Mature: | Juveniles: | Seedlings: | Totals: |
|---|---|---|---|---|
| Alive | 1 | | | 1 |
| Dead | | | | |

Area of pop (m²): _____
Note: Pls record count as numbers (not percentages) for database.

**QUADRATS PRESENT:** No. ____ Size _____ Data attached ☐ Total area of quadrats (m²): _____

| **Summary Quad. Totals:** Alive | | | | |
|---|---|---|---|---|

**REPRODUCTIVE STATE:** Clonal ☐ Vegetative ☐ Flowerbud ☐ Flower ☒
Immature fruit ☐ Fruit ☐ Dehisced fruit ☐ Percentage in flower: _____%

**CONDITION OF PLANTS:** Healthy ☒ Moderate ☐ Poor ☐ Senescent ☐

**COMMENT:**

| **THREATS - type, agent and supporting information:**<br>Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. **Specify agent** where relevant.<br>Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme<br>Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) | **Current impact (N-E)** | **Potential Impact (L-E)** | **Potential Threat Onset (S-L)** |
|---|---|---|---|
| • | | | |
| • | | | |
| • | | | |

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

## HABITAT INFORMATION:

**LANDFORM:**
Crest ☐
Hill ☒
Ridge ☐
Outcrop ☐
Slope ☐
Flat ☐
Open depression ☐
Drainage line ☐
Closed depression ☐
Wetland ☐

**ROCK TYPE:**
Granite ☐
Dolerite ☐
Laterite ☐
Ironstone ☒
Limestone ☐
Quartz ☐
Specify other: _____

**LOOSE ROCK:**
(on soil surface; eg gravel, quartz fields)
0-10% ☐
10-30% ☐
30-50% ☐
50-100% ☒

**SOIL TYPE:**
Sand ☐
Sandy loam ☐
Loam ☐
Clay loam ☒
Light clay ☐
Peat ☐
Specify other: _____

**SOIL COLOUR:**
Red ☒
Brown ☐
Yellow ☐
White ☐
Grey ☐
Black ☐
Specify other: _____

**DRAINAGE:**
Well drained ☒
Seasonally inundated ☐
Permanently inundated ☐
Tidal ☐

Specific **Landform** Element: _____
(Refer to field manual for additional values)

**CONDITION OF SOIL:** Dry ☐ Moist ☐ Waterlogged ☐ Inundated ☐

**VEGETATION CLASSIFICATION*:**
Eg: **1**. Banksia woodland (B. attenuata, B. ilicifolia); **2**. Open shrubland (Hibbertia sp., Acacia spp.) ; **3**. Isolated clumps of sedges (M.tetragona)

1. Eucalyptus leucophloia subsp. leucophloia low open woodland
2. Acacia inaequilatera tall sparse shrubland
3. Triodia wiseana, Dolichocarpa crouchiana, Dysphania rhadinostachya low open hummock grassland/herbland
4.

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine ☐ Excellent ☒ Very good ☐ Good ☐ Degraded ☐ Completely degraded ☐

**COMMENT:** _____

**FIRE HISTORY:** **Last Fire:** Season/Month: _____ Year: _____ **Fire Intensity:** High ☐ Medium ☐ Low ☐ No signs of fire ☐

**FENCING:** Not required ☐ Present ☐ Replace / repair ☐ Required ☐ Length req'd: _____

**ROADSIDE MARKERS:** Not required ☐ Present ☐ Replace / reposition ☐ Required ☐ Quantity req'd: _____

**OTHER COMMENTS:** (Please include recommended management actions and/or implemented actions - include date. Also include details of additional data available, and how to locate it.)

Additional records attached.

**FLORA AUTHORISATION / LICENCE No:** _____ Note if only observing plants (i.e. no specimens or plant matieral is taken) then no authorisation/licence is required. For further information on authorisation and licening requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: A. I. Craigie 1893_06
WA Herb. ☒ Regional Herb. ☐ District Herb. ☐ Other: _____

**LODGEMENT:** WA Herb Lodgement No: _____

**ATTACHED:** Map ☐ Mudmap ☐ Photo ☐ GIS data ☐ Field notes ☐ Other: _____

**COPY SENT TO:** Regional Office ☐ District Office ☐ Other: _____

Submitter of Record: A. Craigie Role: Principle Botanist Signed: _____ Date: / /

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

***Please complete as much of the form as possible, with emphasis on those sections bordered in black.*** For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants

**TAXON:** Sida sp. Hamersley Range (K. Newbey 10692) **TPFL Pop. No:**

**OBSERVATION DATE:** 03/07/2021 **CONSERVATION STATUS:** P3 **New population** ☐

**OBSERVER/S:** A. I. Craigie **PHONE** 61687200

**ROLE:** Botanist **ORGANISATION:** Ecologia Environment

**EMAIL:** andrew.craigie@ecologia.com.au

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

FMG Wyloo Deposit survey area, ca. 130 km west of Tom Price, WA.

**Reserve No:**

**DBCA DISTRICT:** **LGA:** Shire of Ashburton Land manager present: ☐

**DATUM:**
GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

**COORDINATES:** (If UTM coords provided, **Zone** is also required)
DecDegrees ☐ DegMinSec ☐ UTMs ☒
**Lat / Northing:** 7503820.05
**Long / Easting:** 443309.10
**ZONE:** 50K

**METHOD USED:**
GPS ☒ Differential GPS ☐ Map ☐
No. satellites: ____ Map used: _____
Boundary polygon captured: ☐ Map scale: _____

**LAND TENURE:**

| | | | | |
|---|---|---|---|---|
| Nature reserve ☐ | Timber reserve ☐ | Private property ☐ | Rail reserve ☐ | Shire road reserve ☐ |
| National park ☐ | State forest ☐ | Pastoral lease ☐ | MRWA road reserve ☐ | Other Crown reserve ☐ |
| Conservation park ☐ | Water reserve ☐ | UCL ☐ | SLK/Pole _____ to _____ | Specify other: _____ |

**AREA ASSESSMENT:** Edge survey ☐ Partial survey ☒ Full survey ☐ Area observed (m²): _____

**EFFORT:** Time spent surveying (minutes): _____ No. of minutes spent / 100 m²: _____

**POP'N COUNT ACCURACY:** Actual ☐ Extrapolation ☐ Estimate ☐ Count method: _____
(Refer to field manual for list)

**WHAT COUNTED:** Plants ☒ Clumps ☐ Clonal stems ☐

**TOTAL POP'N STRUCTURE:**

| | Mature: | Juveniles: | Seedlings: | Totals: |
|---|---|---|---|---|
| Alive | 4 | | | 4 |
| Dead | | | | |

Area of pop (m²): _____
Note: Pls record count as numbers (not percentages) for database.

**QUADRATS PRESENT:** No. ____ Size _____ Data attached ☐ Total area of quadrats (m²): _____

| | | | | |
|---|---|---|---|---|
| **Summary Quad. Totals:** Alive | | | | |

**REPRODUCTIVE STATE:** Clonal ☐ Vegetative ☐ Flowerbud ☐ Flower ☒
Immature fruit ☐ Fruit ☒ Dehisced fruit ☐ Percentage in flower: _____%

**CONDITION OF PLANTS:** Healthy ☒ Moderate ☐ Poor ☐ Senescent ☐

**COMMENT:**

| **THREATS - type, agent and supporting information:**<br>Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. **Specify agent** where relevant.<br>Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme<br>Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) | **Current impact (N-E)** | **Potential Impact (L-E)** | **Potential Threat Onset (S-L)** |
|---|---|---|---|
| • | | | |
| • | | | |
| • | | | |

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

## HABITAT INFORMATION:

**LANDFORM:**
Crest ☐
Hill ☒
Ridge ☐
Outcrop ☐
Slope ☐
Flat ☐
Open depression ☐
Drainage line ☒
Closed depression ☐
Wetland ☐

**ROCK TYPE:**
Granite ☐
Dolerite ☐
Laterite ☐
Ironstone ☒
Limestone ☐
Quartz ☐
Specify other: _____

**LOOSE ROCK:**
(on soil surface; eg gravel, quartz fields)
0-10% ☐
10-30% ☐
30-50% ☐
50-100% ☒

**SOIL TYPE:**
Sand ☐
Sandy loam ☐
Loam ☐
Clay loam ☒
Light clay ☐
Peat ☐
Specify other: _____

**SOIL COLOUR:**
Red ☒
Brown ☐
Yellow ☐
White ☐
Grey ☐
Black ☐
Specify other: _____

**DRAINAGE:**
Well drained ☒
Seasonally inundated ☐
Permanently inundated ☐
Tidal ☐

Specific **Landform** Element: _____
(Refer to field manual for additional values)

**CONDITION OF SOIL:** Dry ☐ Moist ☐ Waterlogged ☐ Inundated ☐

**VEGETATION CLASSIFICATION*:**
Eg: **1**. Banksia woodland (B. attenuata, B. ilicifolia); **2**. Open shrubland (Hibbertia sp., Acacia spp.) ; **3**. Isolated clumps of sedges (M.tetragona)

1. Corymbia ferriticola, Eucalyptus leucophloia subsp. leucophloia low open woodland
2. Dodonaea pachyneura, Astrotricha hamptonii, Triumfetta maconochieana low sparse shrubland
3. Triodia wiseana, Triodia pisoliticola, Eriachne mucronata low sparse hummock grassland/tussock grassland
4.

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine ☐ Excellent ☒ Very good ☐ Good ☐ Degraded ☐ Completely degraded ☐

**COMMENT:** _____

**FIRE HISTORY:** **Last Fire:** Season/Month: _____ Year: _____ **Fire Intensity:** High ☐ Medium ☐ Low ☐ No signs of fire ☐

**FENCING:** Not required ☐ Present ☐ Replace / repair ☐ Required ☐ Length req'd: _____

**ROADSIDE MARKERS:** Not required ☐ Present ☐ Replace / reposition ☐ Required ☐ Quantity req'd: _____

**OTHER COMMENTS:** (Please include recommended management actions and/or implemented actions - include date. Also include details of additional data available, and how to locate it.)

**FLORA AUTHORISATION / LICENCE No:** _____ Note if only observing plants (i.e. no specimens or plant matieral is taken) then no authorisation/licence is required. For further information on authorisation and licening requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: A. I. Craigie 1893_04
WA Herb. ☒ Regional Herb. ☐ District Herb. ☐ Other: _____

**LODGEMENT:** WA Herb Lodgement No: _____

**ATTACHED:** Map ☐ Mudmap ☐ Photo ☐ GIS data ☐ Field notes ☐ Other: _____

**COPY SENT TO:** Regional Office ☐ District Office ☐ Other: _____

Submitter of Record: A. Craigie Role: Principle Botanist Signed: _____ Date: / /

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

***Please complete as much of the form as possible, with emphasis on those sections bordered in black.*** For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants

**TAXON:** Solanum sp. Red Hill (S. van Leeuwen et al. PBS 5415) **TPFL Pop. No:**

**OBSERVATION DATE:** 30/06/2021 **CONSERVATION STATUS:** P3 **New population** ☐

**OBSERVER/S:** A. I. Craigie **PHONE** 61687200

**ROLE:** Botanist **ORGANISATION:** Ecologia Environment

**EMAIL:** andrew.craigie@ecologia.com.au

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

FMG Wyloo Deposit survey area, ca. 130 km west of Tom Price, WA.

**Reserve No:**

**DBCA DISTRICT:** **LGA:** Shire of Ashburton Land manager present: ☐

**DATUM:**
GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

**COORDINATES:** (If UTM coords provided, **Zone** is also required)
DecDegrees ☐ DegMinSec ☐ UTMs ☒
**Lat / Northing:** 7502227.91
**Long / Easting:** 439563.54
**ZONE:** 50K

**METHOD USED:**
GPS ☒ Differential GPS ☐ Map ☐
No. satellites: ____ Map used: _____
Boundary polygon captured: ☐ Map scale: _____

**LAND TENURE:**

| | | | | |
|---|---|---|---|---|
| Nature reserve ☐ | Timber reserve ☐ | Private property ☐ | Rail reserve ☐ | Shire road reserve ☐ |
| National park ☐ | State forest ☐ | Pastoral lease ☐ | MRWA road reserve ☐ | Other Crown reserve ☐ |
| Conservation park ☐ | Water reserve ☐ | UCL ☐ | SLK/Pole _____ to _____ | Specify other: _____ |

**AREA ASSESSMENT:** Edge survey ☐ Partial survey ☒ Full survey ☐ Area observed (m²): _____

**EFFORT:** Time spent surveying (minutes): _____ No. of minutes spent / 100 m²: _____

**POP'N COUNT ACCURACY:** Actual ☐ Extrapolation ☐ Estimate ☐ Count method: _____
(Refer to field manual for list)

**WHAT COUNTED:** Plants ☒ Clumps ☐ Clonal stems ☐

**TOTAL POP'N STRUCTURE:**

| | Mature: | Juveniles: | Seedlings: | Totals: |
|---|---|---|---|---|
| Alive | 1 | | | 1 |
| Dead | | | | |

Area of pop (m²): _____
Note: Pls record count as numbers (not percentages) for database.

**QUADRATS PRESENT:** No. ____ Size _____ Data attached ☐ Total area of quadrats (m²): _____

| | | | | |
|---|---|---|---|---|
| **Summary Quad. Totals:** Alive | | | | |

**REPRODUCTIVE STATE:**
Clonal ☐ Vegetative ☐ Flowerbud ☐ Flower ☒
Immature fruit ☐ Fruit ☒ Dehisced fruit ☐ Percentage in flower: _____%

**CONDITION OF PLANTS:** Healthy ☒ Moderate ☐ Poor ☐ Senescent ☐

**COMMENT:**

| **THREATS - type, agent and supporting information:**<br>Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. **Specify agent** where relevant.<br>Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme<br>Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) | **Current impact (N-E)** | **Potential Impact (L-E)** | **Potential Threat Onset (S-L)** |
|---|---|---|---|
| • | | | |
| • | | | |
| • | | | |

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

## HABITAT INFORMATION:

**LANDFORM:**
Crest ☐
Hill ☒
Ridge ☐
Outcrop ☐
Slope ☐
Flat ☐
Open depression ☐
Drainage line ☐
Closed depression ☐
Wetland ☐

**ROCK TYPE:**
Granite ☐
Dolerite ☐
Laterite ☐
Ironstone ☒
Limestone ☐
Quartz ☐
Specify other: _____

**LOOSE ROCK:**
(on soil surface; eg gravel, quartz fields)
0-10% ☐
10-30% ☐
30-50% ☐
50-100% ☒

**SOIL TYPE:**
Sand ☐
Sandy loam ☐
Loam ☐
Clay loam ☒
Light clay ☐
Peat ☐
Specify other: _____

**SOIL COLOUR:**
Red ☒
Brown ☐
Yellow ☐
White ☐
Grey ☐
Black ☐
Specify other: _____

**DRAINAGE:**
Well drained ☒
Seasonally inundated ☐
Permanently inundated ☐
Tidal ☐

Specific **Landform** Element: _____
(Refer to field manual for additional values)

**CONDITION OF SOIL:** Dry ☐ Moist ☐ Waterlogged ☐ Inundated ☐

**VEGETATION CLASSIFICATION*:**
Eg: **1**. Banksia woodland (B. attenuata, B. ilicifolia); **2**. Open shrubland (Hibbertia sp., Acacia spp.) ; **3**. Isolated clumps of sedges (M.tetragona)

1. Acacia bivenosa, Acacia synchronicia, Senna glutinosa subsp. pruinosa mid sparse shrubland
2. Triodia wiseana low open hummock grassland
3.
4.

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine ☐ Excellent ☒ Very good ☐ Good ☐ Degraded ☐ Completely degraded ☐

**COMMENT:** _____

**FIRE HISTORY:** **Last Fire:** Season/Month: _____ Year: _____ **Fire Intensity:** High ☐ Medium ☐ Low ☐ No signs of fire ☐

**FENCING:** Not required ☐ Present ☐ Replace / repair ☐ Required ☐ Length req'd: _____

**ROADSIDE MARKERS:** Not required ☐ Present ☐ Replace / reposition ☐ Required ☐ Quantity req'd: _____

**OTHER COMMENTS:** (Please include recommended management actions and/or implemented actions - include date. Also include details of additional data available, and how to locate it.)

Additional records attached.

**FLORA AUTHORISATION / LICENCE No:** _____ Note if only observing plants (i.e. no specimens or plant matieral is taken) then no authorisation/licence is required. For further information on authorisation and licening requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: A. I. Craigie 1893_05 WA Herb. ☒ Regional Herb. ☐ District Herb. ☐ Other: _____

**LODGEMENT:** WA Herb Lodgement No: _____

**ATTACHED:** Map ☐ Mudmap ☐ Photo ☐ GIS data ☐ Field notes ☐ Other: _____

**COPY SENT TO:** Regional Office ☐ District Office ☐ Other: _____

Submitter of Record: A. Craigie Role: Principle Botanist Signed: _____ Date: / /

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

***Please complete as much of the form as possible, with emphasis on those sections bordered in black.*** For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants

**TAXON:** Triodia pisoliticola **TPFL Pop. No:**

**OBSERVATION DATE:** 29/06/2021 **CONSERVATION STATUS:** P3 **New population** ☐

**OBSERVER/S:** B. Harris **PHONE** 61687200

**ROLE:** Botanist **ORGANISATION:** Ecologia Environment

**EMAIL:** andrew.craigie@ecologia.com.au

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

FMG Wyloo Deposit survey area, ca. 130 km west of Tom Price, WA.

**Reserve No:**

**DBCA DISTRICT:** **LGA:** Shire of Ashburton Land manager present: ☐

**DATUM:**
GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

**COORDINATES:** (If UTM coords provided, **Zone** is also required)
DecDegrees ☐ DegMinSec ☐ UTMs ☒
**Lat / Northing:** 7502145.65
**Long / Easting:** 435270.41
**ZONE:** 50K

**METHOD USED:**
GPS ☒ Differential GPS ☐ Map ☐
No. satellites: ____ Map used: _____
Boundary polygon captured: ☐ Map scale: _____

**LAND TENURE:**

| | | | | |
|---|---|---|---|---|
| Nature reserve ☐ | Timber reserve ☐ | Private property ☐ | Rail reserve ☐ | Shire road reserve ☐ |
| National park ☐ | State forest ☐ | Pastoral lease ☐ | MRWA road reserve ☐ | Other Crown reserve ☐ |
| Conservation park ☐ | Water reserve ☐ | UCL ☐ | SLK/Pole _____ to _____ | Specify other: _____ |

**AREA ASSESSMENT:** Edge survey ☐ Partial survey ☒ Full survey ☐ Area observed (m²): _____

**EFFORT:** Time spent surveying (minutes): _____ No. of minutes spent / 100 m²: _____

**POP'N COUNT ACCURACY:** Actual ☐ Extrapolation ☐ Estimate ☐ Count method: _____
(Refer to field manual for list)

**WHAT COUNTED:** Plants ☒ Clumps ☐ Clonal stems ☐

**TOTAL POP'N STRUCTURE:**

| | Mature: | Juveniles: | Seedlings: | Totals: |
|---|---|---|---|---|
| Alive | 6 | | | 6 |
| Dead | | | | |

Area of pop (m²): _____
Note: Pls record count as numbers (not percentages) for database.

**QUADRATS PRESENT:** No. ____ Size _____ Data attached ☐ Total area of quadrats (m²): _____

| | | | | |
|---|---|---|---|---|
| **Summary Quad. Totals:** Alive | | | | |

**REPRODUCTIVE STATE:**
Clonal ☐ Vegetative ☐ Flowerbud ☐ Flower ☒
Immature fruit ☐ Fruit ☒ Dehisced fruit ☐ Percentage in flower: _____%

**CONDITION OF PLANTS:** Healthy ☒ Moderate ☐ Poor ☐ Senescent ☐

**COMMENT:**

| **THREATS - type, agent and supporting information:**<br>Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. **Specify agent** where relevant.<br>Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme<br>Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) | **Current impact (N-E)** | **Potential Impact (L-E)** | **Potential Threat Onset (S-L)** |
|---|---|---|---|
| • | | | |
| • | | | |
| • | | | |

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

## HABITAT INFORMATION:

**LANDFORM:**
Crest ☐
Hill ☒
Ridge ☐
Outcrop ☐
Slope ☐
Flat ☐
Open depression ☐
Drainage line ☐
Closed depression ☐
Wetland ☐

**ROCK TYPE:**
Granite ☐
Dolerite ☐
Laterite ☐
Ironstone ☒
Limestone ☐
Quartz ☐
Specify other: _____

**LOOSE ROCK:**
(on soil surface; eg gravel, quartz fields)
0-10% ☐
10-30% ☐
30-50% ☐
50-100% ☒

**SOIL TYPE:**
Sand ☐
Sandy loam ☐
Loam ☐
Clay loam ☒
Light clay ☐
Peat ☐
Specify other: _____

**SOIL COLOUR:**
Red ☒
Brown ☐
Yellow ☐
White ☐
Grey ☐
Black ☐
Specify other: _____

**DRAINAGE:**
Well drained ☒
Seasonally inundated ☐
Permanently inundated ☐
Tidal ☐

Specific **Landform** Element: _____
(Refer to field manual for additional values)

**CONDITION OF SOIL:** Dry ☐ Moist ☐ Waterlogged ☐ Inundated ☐

**VEGETATION CLASSIFICATION*:**
Eg: **1**. Banksia woodland (B. attenuata, B. ilicifolia); **2**. Open shrubland (Hibbertia sp., Acacia spp.) ; **3**. Isolated clumps of sedges (M.tetragona)

1. Acacia pruinocarpa tall/mid sparse shrubland
2. Triodia wiseana, Eriachne pulchella, Paspalidium clementii low open hummock grassland/tussock grassland
3.
4.

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

**CONDITION OF HABITAT:** Pristine ☐ Excellent ☒ Very good ☐ Good ☐ Degraded ☐ Completely degraded ☐

**COMMENT:**

**FIRE HISTORY:** **Last Fire:** Season/Month: _____ Year: _____ **Fire Intensity:** High ☐ Medium ☐ Low ☐ No signs of fire ☐

**FENCING:** Not required ☐ Present ☐ Replace / repair ☐ Required ☐ Length req'd: _____

**ROADSIDE MARKERS:** Not required ☐ Present ☐ Replace / reposition ☐ Required ☐ Quantity req'd: _____

**OTHER COMMENTS:** (Please include recommended management actions and/or implemented actions - include date. Also include details of additional data available, and how to locate it.)

Additional records attached.

**FLORA AUTHORISATION / LICENCE No:** _____ Note if only observing plants (i.e. no specimens or plant matieral is taken) then no authorisation/licence is required. For further information on authorisation and licening requirements see the Threatened Flora and Wildlife Licensing pages on DBCA's website. Any actions carried out under authorisations/licences should be recorded above in the OTHER COMMENTS section.

**SPECIMEN:** Collectors No: B. Harris 1893_01 WA Herb. ☒ Regional Herb. ☐ District Herb. ☐ Other: _____

**LODGEMENT:** WA Herb Lodgement No: _____

**ATTACHED:** Map ☐ Mudmap ☐ Photo ☐ GIS data ☐ Field notes ☐ Other: _____

**COPY SENT TO:** Regional Office ☐ District Office ☐ Other: _____

Submitter of Record: A. Craigie Role: Principle Botanist Signed: _____ Date: / /

Please return completed form to **Species And Communities Program** DBCA,
Locked Bag 104, BENTLEY DELIVERY CENTRE WA 6983 **OR** email to: flora.data@dbca.wa.gov.au

**RECORDS:** Please forward to **Flora Administrative Officer,** Species and Communities Program.

**Record entered by:**_____ **Sheet No.:**_____ **Record Entered in Database** ❑

Department of **Biodiversity, Conservation and Attractions**

GOVERNMENT OF WESTERN AUSTRALIA

# Threatened and Priority Flora Report Form

Version 1.4 March 2021

***Please complete as much of the form as possible, with emphasis on those sections bordered in black.*** For information on how to complete the form please refer to the Threatened & Priority Flora Report Form (TPRF) manual on the DBCA website at www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-plants

**TAXON:** Solanum sp. W Hamersley Range (S. Colwill & B. Duncan LCR99-01) **TPFL Pop. No:**

**OBSERVATION DATE:** 3/07/2021 **CONSERVATION STATUS:** P1 **New population** ☒

**OBSERVER/S:** A. I. Craigie **PHONE** 61687200

**ROLE:** Botanist **ORGANISATION:** Ecologia Environment

**EMAIL:** andrew.craigie@ecologia.com.au

**DESCRIPTION OF LOCATION** (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

FMG Wyloo Deposit survey area, ca. 130 km west of Tom Price, WA.

**Reserve No:**

**DBCA DISTRICT:** **LGA:** Shire of Ashburton Land manager present: ☐

**DATUM:**
GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

**COORDINATES:** (If UTM coords provided, **Zone** is also required)
DecDegrees ☐ DegMinSec ☐ UTMs ☒
**Lat / Northing:** 7503950.30
**Long / Easting:** 443681.92
**ZONE:** 50K

**METHOD USED:**
GPS ☒ Differential GPS ☐ Map ☐
No. satellites: ____ Map used: _____
Boundary polygon captured: ☐ Map scale: _____

**LAND TENURE:**

| | | | | |
|---|---|---|---|---|
| Nature reserve ☐ | Timber reserve ☐ | Private property ☐ | Rail reserve ☐ | Shire road reserve ☐ |
| National park ☐ | State forest ☐ | Pastoral lease ☐ | MRWA road reserve ☐ | Other Crown reserve ☐ |
| Conservation park ☐ | Water reserve ☐ | UCL ☐ | SLK/Pole _____ to _____ | Specify other: _____ |

**AREA ASSESSMENT:** Edge survey ☐ Partial survey ☒ Full survey ☐ Area observed (m²): _____

**EFFORT:** Time spent surveying (minutes): _____ No. of minutes spent / 100 m²: _____

**POP'N COUNT ACCURACY:** Actual ☐ Extrapolation ☐ Estimate ☒ Count method: _____
(Refer to field manual for list)

**WHAT COUNTED:** Plants ☒ Clumps ☐ Clonal stems ☐

**TOTAL POP'N STRUCTURE:**

| | Mature: | Juveniles: | Seedlings: | Totals: |
|---|---|---|---|---|
| Alive | | | | 60 |
| Dead | | | | |

Area of pop (m²): _____

Note: Pls record count as numbers (not percentages) for database.

**QUADRATS PRESENT:** No. ____ Size _____ Data attached ☐ Total area of quadrats (m²): _____

| | | | | |
|---|---|---|---|---|
| **Summary Quad. Totals:** Alive | | | | |

**REPRODUCTIVE STATE:** Clonal ☐ Vegetative ☐ Flowerbud ☒ Flower ☒
Immature fruit ☐ Fruit ☒ Dehisced fruit ☐ Percentage in flower: _____%

**CONDITION OF PLANTS:** Healthy ☒ Moderate ☐ Poor ☐ Senescent ☐

**COMMENT:**

| **THREATS - type, agent and supporting information:**<br>Eg clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents. **Specify agent** where relevant.<br>Rate current and potential threat impact: N=Nil, L=Low, M=Medium, H=High, E=Extreme<br>Estimate time to potential impact: S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+) | **Current impact (N-E)** | **Potential Impact (L-E)** | **Potential Threat Onset (S-L)** |
|---|---|---|---|
| • | | | |
| • | | | |
| • | | | |

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Version 1.4 March 2021

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1. Eucalyptus victrix and Eucalyptus leucophloia subsp. leucophloia low open woodland
2. Abutilon sp. Dioicum (A.A. Mitchell PRP 1618), Acacia citrinoviridis, Acacia pyrifolia var. pyrifolia, Acacia tumida var. pilbarensis, Flueggea virosa subsp. melanthesoides, Grevillea wickhamii subsp. hispidula tall sparse shrubland
3. Corchorus crozophorifolius and Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186) low sparse shrubland
4. Triodia pisoliticola, Triodia wiseana, Themeda triandra, and Eriachne tenuiculmis low open hummock/tussock grassland

**ASSOCIATED SPECIES:**

Other (non-dominant) spp

* Please record up to four of the most representative vegetation layers (with up to three dominant species in each layer). Structural Formations should follow 2009 *Australian Soil and Land Survey Field Handbook* guidelines – refer to field manual for further information and structural formation table.

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A. I Craigie 1893.01 PERTH 9437665
WA Herb. ☒ Regional Herb. ☐ District Herb. ☐ Other: _____

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