

Jinidi
Two-season Detailed Flora & Vegetation Survey

Report to BHP Western Australia Iron Ore

25 June 2025



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Executive Summary

BHP WAIO's Jinidi iron ore project is located in the Pilbara region of Western Australia, approximately 70 km northwest of Newman. BHP WAIO commissioned Biologic to undertake a two-season detailed flora and vegetation survey of the Jinidi project area (hereafter referred to as the Survey Area), covering an approximate area of 21,461.9 ha.

The desktop assessment identified 68 significant flora taxa (one Threatened, 67 Priority) of which 12 have previously been recorded within the Survey Area. The only Threatened listed flora taxon identified by the desktop assessment, *Synostemon hamersleyensis* (T), was considered unlikely to occur in the Survey Area pre-survey.

No Threatened Ecological Communities (TEC) were identified by the desktop assessment. One Priority Ecological Community (PEC) was identified as occurring in the Survey Area; Weeli Wolli Spring (P1), which occurs in the northwest of the Survey Area. No other significant ecological communities were expected to occur in the Survey Area pre-survey. The Survey Area generally has a low to moderate potential to support terrestrial and aquatic groundwater dependent ecosystems (GDE) based on the national GDE assessment, while no aquatic GDEs have been previously mapped within the Survey Area. However, Weeli Wolli creek is a known permanent aquatic GDE.

The survey consisted of four separate field visits; two dry-season (12–19 Sep, 27 Oct–3 Nov 2023) to establish and sample floristic sites; and two wet-season (6–13, 21–28 March 2024) to resample floristic sites. The weather experienced prior to the dry- and wet-season surveys was consistent with usual seasonal patterns for the region. Both wet-season visits occurred within the recommended optimal timing for the region and followed above average wet-season rainfall.

Access restrictions to several portions of the Survey Area at different periods during the survey is considered a limitation to the survey, particularly the portion of Roundtop Hill which was not accessible during the survey, and the portion of calcrete adjacent to Weeli Wolli Creek which was not accessible during the wet-season surveys. No other major limitations or constraints affected the survey completion or results.

A total of 199 quadrats were established and sampled across the Survey Area, supplemented by 34 relevés. A total of 572 vascular flora taxa were recorded from in the Survey Area, comprising 492 confirmed (472 native, 20 introduced taxa), and 80 unconfirmed flora taxa.

No Threatened flora taxa were recorded by this survey. Seventeen (17) confirmed and one unconfirmed (species/ infraspecies level) Priority flora taxa were recorded in the Survey Area by this survey, with five taxa not previously known from the Survey Area pre-survey:

- *Acacia bromilowiana* (P4)
- *Acacia subtiliformis* (P3)
- *Aristida lazaridis* (P3)
- *Cladium procerum* (P2)
- *Eremophila naaykensii* (P3)
- *Fimbristylis sieberiana* (P3)
- *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3)
- *Grevillea saxicola* (P3)
- *Gymnanthera cunninghamii* (P3)
- *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)
- *Indigofera gilesii* (P3)
- *Lepidium catapycnon* (P4)
- *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3)
- *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3)
- *Rostellularia adscendens* var. *latifolia* (P3)
- *Stylidium weeliwolli* (P3)
- *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3)

One taxon, *Grevillea* sp. (?*saxicola*), is considered significant due to anomalous features and represents a taxon of special interest. At present, this specimen most closely resembles *Grevillea saxicola* (P3) but doesn't match the vegetative characters currently recognised for *G. saxicola*. It may either represent a distinct taxon or will change the circumscription of *G. saxicola*. Further investigation and collection of identifying material should be conducted where possible to determine its significance. At present this taxon is to be treated as Priority 3 (as *Grevillea saxicola* (P3)) as a precautionary measure.

Records of 4 unlisted flora taxa in the Survey Area represent range extensions in current known distribution, while 12 unlisted flora taxa records fill gaps in their current known distribution. The identification and observation of *Urochloa praetervisa* in the Survey Area represents the first new record for this taxon in the Pilbara bioregion and the first record in Western Australia to occur outside of the Kimberley, representing a range extension some 640 km southwest of the closest known record.

Twenty introduced flora taxa were recorded during this survey. None of the taxa recorded are listed as a Declared Pest or a Weed of National Significance. Introduced flora were present across all landforms but were mostly associated with water catchment and cattle activity.

Twenty vegetation types were described and delineated in the Survey Area based on four broad landforms (Drainage Lines, Gullies/ Gorges, Hills, Plains), with Hills occurring across the majority of the Survey Area (69 %).

One portion of vegetation type D01 is considered to represent the 'Weeli Wolli Spring' (P1) PEC, mapped in the northwest. This is a regionally significant PEC and is considered significant under BHP's data standards. No other significant ecological communities were recorded by this survey.

One vegetation type represents a restricted, novel and/or refugial vegetation type: G04 – steep shaded cliffs, screes and gullies dominated by mulga (*Acacia catenulata*). This vegetation type is confined to steep shaded ironstone cliffs, scree slopes and gullies, predominantly south facing, and was mapped across 1 % of the Survey Area in the southern portion. This is considered to be a sub-regionally significant vegetation type and is considered significant under BHP's data standards.

Two vegetation types support groundwater-dependent vegetation and ecosystems (high potential and above) in D01 (restricted permanent GDE, portion at Weeli Wolli Spring), D02 (high potential of supporting GDV/ semi-permanent GDE) and the southwestern portion of D01 (high potential of supporting GDV/ semi-permanent GDE). These are considered significant under BHP's data standards.

The condition of the vegetation within the Survey Area ranged from Excellent to Degraded, with the majority (83 %) in Excellent condition. Disturbances affecting condition were generally minimal across the Survey Area, likely due to the lack of current and/or historical pastoral tenure and clearing in the area, resulting in low instances of stock related disturbance (trampling, grazing, pastoral infrastructure), weeds and clearing.

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1 Introduction

1.1 Background

BHP Western Australia Iron Ore's (BHP WAIO) Jinidi iron ore project is located in the Pilbara region of Western Australia, approximately 70 km northwest of Newman (Figure 1.1). BHP WAIO commissioned Biologic Environmental Survey Pty Ltd (Biologic) to undertake a two-season detailed flora and vegetation survey in the Jinidi project area (hereafter referred to as the Survey Area). The Survey Area covers an approximate area of 21,461.9 ha and comprises four sections (Figure 1.1):

- Jinidi;
- South Parmelia;
- Northeast Corner; and
- Weeli Wolli Spring Priority Ecological Community (PEC), which is encompassed within the Northeast Corner.

1.2 Scope & Objectives

The primary objective of the survey is to identify the flora and vegetation values of the Survey Area and place them within a local and regional context. The flora and vegetation assessment may be used to inform future environmental approvals across the Survey Area; however, the survey report is of a general nature not assessing any specific development proposed by BHP WAIO. The scope of works includes a two-season detailed flora and vegetation survey of the Survey Area. The scope of works was addressed via:

- A desktop assessment to gather contextual information on the Survey Area and surrounds;
- A two-season flora and vegetation field survey to determine the species present, the vegetation types present, and the condition of the vegetation, including any significant and/or introduced species; and
- Preparation of a technical report and accompanying spatial data (in BHP WAIO data standards) detailing the results and the importance of significant values identified.

1.3 Compliance

The Environmental Protection Authority (EPA) outline guidance for biological surveys in WA. All aspects of botanical assessments at Biologic are compliant with the EPA Technical Guidance for Flora and Vegetation Surveys for Environmental Impact Assessment (EPA, 2016b) and the Environmental Factor Guideline for flora and vegetation (EPA, 2016a). This extends to preparation, survey design, personnel, data analysis, reporting and client data

submission. Guidelines and fact sheets provided by BHP WAIO were also considered during the execution of the field survey and report preparation.

- EPA (2023) *Statement of environmental principles, factors, objectives and aims of EIA*;
- Department of Environment (DoE) (2013) *Matters of National Environmental Significance: Significant impact guidelines*;
- EPA (2016a) *Environmental factor guideline: flora and vegetation*;
- EPA (2016b) *Technical guidance: Flora and vegetation surveys for environmental impact assessment*;
- EPA (2018a) *Environmental factor guideline: inland waters*;
- BHP (2018) *Vegetation and Flora Survey Procedure* v3.0;
- BHP WAIO (2023) *Biodiversity survey spatial data requirements: Procedure* v12.0; and
- Department of Water and Environmental Regulation (DWER) (2024) *Index of Biodiversity Surveys for Assessments (*IBSA).

1.3.1 Significant Flora & Vegetation

Significant flora and vegetation are protected at a state and commonwealth level and legislated by the following parliamentary acts:

- State *Biodiversity Conservation Act 2016* (BC Act);
- State *Environmental Protection Act 1986* (EP Act); and
- Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Rare, endemic, new or special flora and vegetation communities are protected at varying levels by classification under codes of significance (Appendix A). Significant flora and vegetation may extend beyond the assigned codes, as outlined in (Appendix A).

1.3.2 Introduced Flora

Introduced flora can pose a threat to native vegetation and biodiversity. The Commonwealth of Australia, in collaboration with the states and territories, identified 32 Weeds of National Significance (WoNS) assessed according to their invasiveness, potential for spread, and environmental, social and economic impacts (DoEE, 2019).

A database of Declared Pests (DP) is kept by the Department of Primary Industries and Regional Development (DPIRD). This database falls under State jurisdiction, legislated by the *Biosecurity and Agriculture Management Act 2007* (BAM Act). Some introduced flora taxa may be classified within categories that have legal control or management requirements (Appendix A). These requirements must be met by the landholder.

710000
720000
730000
740000
7460000
7450000
E 4700628

IBRA Region
Pilbara
IBRA Subregion
Chichester
Fortescue
Hamersley
Roebourne
Port Hedland
Karratha
Newman
Northeast Corner
AML7000244
Jinidi
South Parmelia
West Angelas Rd

LEGEND
Survey Area
Live Mining Tenement
Rail
Local Road
Weeli Wolli Spring PEC - Priority 1
Pastoral Station or Lease
Marillana Station

Biologic
Scale 1:100,000
0 2 4 Km
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 31/10/2024

Port Hedland
Karratha
Exmouth
Newman
Carnarvon

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Figure 1.1: Survey Area and regional context

2 Existing Environment

2.1 Biogeography

The Survey Area is located within the Hamersley (PIL03) subregion of the Pilbara bioregion, as defined by the Interim Biogeographic Regionalisation of Australia (IBRA; Figure 1.1) (Thackway & Cresswell, 1995). The Hamersley subregion is characterised by mountainous areas of Proterozoic sedimentary ranges (ironstone ranges) and plateaux dissected by gullies and gorges (Kendrick, 2003). Vegetation comprises mulga low woodland over bunch grasses on fine-textured soils in valley floors, while skeletal soils of the ranges are dominated by snappy gum (*Eucalyptus leucophloia*) over *Triodia brizoides* (Kendrick, 2003). Drainage is typically into the Fortescue River to the north, the Ashburton River to the south, or the Robe River to the west (Kendrick, 2003).

The significant and dominant feature of this subregion is the Hamersley Range. This prominent range feature, 450 km long, is a mountainous plateau which receives significantly higher rainfall than surrounding subregions giving rise to deeply incised gorges, up to 100 m deep, containing extensive permanent spring-fed streams and pools (Kendrick, 2003). The Hamersley Range and Chichester Range (to the north) drain into creeks and river systems including the Fortescue, Coondiner, Mindy and Weeli Wolli, to give rise to the Fortescue Marsh (McKenzie *et al.*, 2009), which is located to the north of the Survey Area.

2.2 Climate

The Pilbara bioregion has a semi-desert to tropical climate, with rainfall occurring sporadically throughout the year, although mostly during summer (Thackway & Cresswell, 1995). Summer rainfall is usually the result of tropical storms in the north or tropical cyclones that impact upon the coast and move inland (Leighton, 2004). The winter rainfall is generally lighter and is the result of cold fronts moving north easterly across the state (Leighton, 2004). The average annual rainfall ranges from 200–350 mm, although there are significant fluctuations between years, with some locations receiving up to 1,200 mm in some years (McKenzie *et al.*, 2009).

2.3 Geology

The Survey Area is located within the Pilbara Craton super province (Geoscience Australia, 2013). The Pilbara Craton is a major Archean granite-greenstone terrane of northwestern Western Australia, containing some of the oldest rocks on Earth. This database was compiled Australia-wide with spatial data captured at a wide scale of approximately 1:1,000,000. The Survey Area is also located within the Fortescue Basin and the Hamersley Basin (Geoscience Australia, 2013). The Fortescue Basin overlies the Pilbara Craton and entirely consists of the Fortescue Group, which is predominantly a volcanic succession, characterised by basaltic

rocks. The Hamersley Basin then overlies the Fortescue Basin, consisting of banded iron formation, chert, pelite, felsic volcanic rocks, dolostone and dolomitic mudstone as well as calcrete deposits (Kendrick, 2003).

At a finer scale (1:500,000), the Survey Area occurs across five bedrock geological units (all of which are characterised by banded iron-formations) and across nine broad regolith geological units (ranging from calcrete and clay, silt, sand to ferruginous duricrust and exposed bedrock) (GSWA, 2020a, 2020b) (Table 2.1; Figure 2.1).

Table 2.1: Geological formations (1:500,000) occurring within the Survey Area

Unit Code: Unit Name	Description	Extent in Survey Area	
		ha	%
Bedrock geological units (1:500,000)			
P_-HAb-cib; Brockman Iron Formation	Banded iron-formation, chert, mudstone, and siltstone; minor dolerite sills	9,895.1	46.1
A-HAd-kd; Wittenoom Formation	Thinly bedded dolomite and dolomitic shale, with minor black chert, shale, banded iron formation and sandstone	6,014.6	28.0
AP_-HAu-xsl-ci; Mount McRae Shale & Mount Sylvia Formation	Mudstone, siltstone, chert, banded iron-formation, and dolomite	3,986.6	18.6
P_-HAj-xci-od; Weeli Wolli Formation	Banded iron-formation (commonly jaspilitic), mudstone, siltstone, and numerous dolerite sills; minor basalt	1,565.1	7.3
A-HAm-cib; Marra Mamba Iron Formation	Chert, banded iron-formation, mudstone, and siltstone; minor carbonate; metamorphosed	0.5	<0.1
Regolith geological units (1:500,000)			
X-PIP; Exposed	Exposed bedrock	11,694.5	54.5
C-PIP; Colluvial	Colluvium derived from different rock types; includes gravel, sand, silt and clay	3801.1	17.7
Rt-PIP; Residual or relict unit	Transported duricrust; cemented sand, gravel, cobbles, and boulders in alluvial/colluvial deposits	3,120.8	14.5
Ac-PIP; Alluvial/fluvial unit	Clay, silt, sand, and gravel in fluvial channels	1,069.8	5.0
Rr-kc-PIP; Residual or relict unit	Calcrete, nodular to massive; includes calcite and reworked carbonate products	950.4	4.4
Aa-PIP; Alluvial/fluvial unit	Sand- or clay-rich alluvium on alluvial plain	522.2	2.4
W-PIP; Sheetwash unit	Clay, silt and sand in distal sheetwash fan and slope deposits; local ferruginous pisoliths and gravel	166.7	0.8
Rr-f-PIP; Residual or relict unit	Ferruginous duricrust, massive to rubbly; includes iron-cemented reworked products	126.1	0.6
A-PIP; Alluvial/fluvial unit	Clay, silt, sand, and gravel in channels and on floodplains	10.3	<0.1

710000 720000 730000 740000

7460000

7450000

Regolith Geology

- A-PIP; Alluvial/fluvial unit, PIP
- Aa-PIP; Alluvial/fluvial unit, PIP
- Ac-PIP; Alluvial/fluvial unit, PIP
- C-PIP; Colluvial unit, PIP
- Rr-f-PIP; Residual or relict unit, PIP
- Rr-fh-PIP; Residual or relict unit, PIP
- Rr-kc-PIP; Residual or relict unit, PIP
- Rt-PIP; Residual or relict unit, PIP
- Rt-fl-PIP; Residual or relict unit, PIP
- W-PIP; Sheetwash unit, PIP
- X-PIP; Exposed unit, PIP

LEGEND

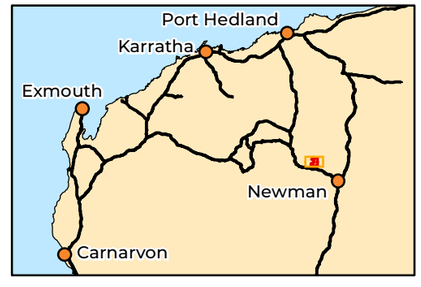
- Survey Area
- Local Road
- Rail

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 05/06/2024



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Figure 2.1: Geology of the Survey Area

2.4 Land Systems

A regional survey was undertaken across various bioregions in the Eremaean botanical province of Western Australia between 1985 and 1988 by the Department of Agriculture (now DPIRD) and the Department of Land Administration (now Landgate), to develop a comprehensive description of biophysical resources and assess the vegetation composition and soil condition within the bioregions and sub-regions. This was conducted in the Pilbara by Payne *et al.* (1988). Similar surveys have been conducted, some more recent than others within parts of the Murchison and Pilbara to further characterise the bioregions. This was originally defined by field surveys in the 1950s by Mabbutt *et al.* (1963), then revised in 1995 and 1999 by van Vreeswyk *et al.* (2004). Information from these surveys has been used to classify and map the land systems of the Pilbara bioregion according to similarities in landform, soil, vegetation, geology and geomorphology. The most recent surveys available for this area have been used. The Survey Area intercepts ten land systems (Table 2.2; Figure 2.2).

Table 2.2: Land systems occurring within the Survey Area

Name	Description	Extent in Survey Area	
		ha	%
Newman	Rugged jaspilite plateaux, ridges and mountains supporting hard spinifex grasslands.	12,963.2	60.4
Platform	Dissected slopes and raised plains supporting shrubby hard spinifex grasslands.	4,962.6	23.1
Boolgeeda	Stony lower slopes and plains below hill systems supporting hard and soft spinifex grasslands or mulga shrublands.	1,162.0	5.4
Oakover	Breakaways, mesas, plateaux and stony plains of calcrete supporting hard spinifex shrubby grasslands.	856.6	4.0
Egerton	Highly dissected plains and slopes with sparse mulga shrublands or shrubby hard spinifex grasslands.	782.8	3.6
McKay	Hills, ridges, plateaux remnants and breakaways of meta sedimentary and sedimentary rocks supporting hard spinifex grasslands with acacias and occasional eucalypts.	411.1	1.9
Rocklea	Basalt hills, plateaux, lower slopes and minor stony plains supporting hard spinifex and occasionally soft spinifex grasslands with scattered shrubs.	167.9	0.8
River	Narrow, seasonally active flood plains and major river channels supporting moderately close, tall shrublands or woodlands of acacias and fringing communities of eucalypts sometimes with tussock grasses or spinifex.	104.0	0.5
Spearhole	Gently undulating gravelly hardpan plains and dissected slopes supporting groved mulga shrublands and hard spinifex.	31.2	0.1
Robe	Low plateaux, mesas and buttes of limonite supporting soft spinifex and occasionally hard spinifex grasslands.	20.4	0.1

710000
720000
730000
740000
7460000
7450000
West Angelas Rd

LEGEND

Survey Area
Local Road
Rail

Land System

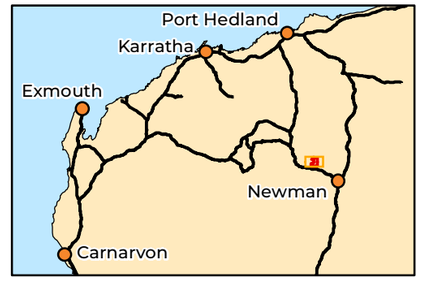
Boolgeeda System
Calcrete System
Egerton System
Kumina System
McKay System
Newman System
Oakover System
Pindering System
Platform System
River System
Robe System
Rocklea System
Spearhole System
Wannamunna System

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 25/06/2024



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 2.2: Land systems of the Survey Area

2.5 Soils

The Atlas of Australian Soils was compiled by the Commonwealth Scientific and Industrial Research Organisation (CSIRO) in the 1960s to provide a consistent national description of Australia's soils (Northcote *et al.*, 1960-1968). The Survey Area is characterised by two soil units; Fa13 and Fa 14 (Table 2.3; Figure 2.3).

Table 2.3: Soil units occurring within the Survey Area

Unit Code	Description	Extent in Survey Area	
		ha	%
Fa13	Ranges of banded jaspilite and chert along with shales, dolomites, and iron ore formations; some areas of ferruginous duricrust as well as occasional narrow winding valley plains and steeply dissected pediments. This unit is largely associated with the Hamersley and Ophthalmia Ranges. The soils are frequently stony and shallow and there are extensive areas without soil cover: chief soils are shallow stony earthy loams along with some soils on the steeper slopes.	16,727.0	78.0
Fa14	Steep hills and steeply dissected pediments on areas of banded jaspilite and chert along with shales, dolomite, and iron ore formations; some narrow winding valley plains: chief soils are shallow, stony, earthy loams along with some soils on the steeper slopes. Soils which occur on the pediments are more extensive in this unit than in unit Fa13.	4,734.8	22.0

2.6 Hydrology

The surface and groundwater hydrology of the Pilbara is highly variable as a result of a dynamic climate with severe droughts and major flooding (DoW, 2010). Streamflow is highly seasonal and is usually a direct response to rainfall. Most runoff occurs from January to March as a result of episodic cyclonic activities (DoW, 2010).

The Survey Area occurs within the Fortescue River Basin and the Upper Fortescue River Catchment, the latter of which drains into the Fortescue Marsh. At a finer scale, the Survey Area is located within two sub catchments (the Weeli Wolli/ Marillana and an Unnamed sub-catchment). Weeli Wolli Creek, and a portion of the Spring, intersects the northwestern corner of the Survey Area (Figure 2.4) where it eventually joins Marillana Creek approximately 14.5 km north of the Survey Area.

The two main tributaries which form Weeli Wolli Creek intersect the southern portion of the Survey Area; 1) a tributary running north-northwest through the southwest corner of the Survey Area, and; 2) an unnamed creek running west-northwest through central South Parmelia for approximately 13.5 km. One additional notable tributary is an unnamed creek which cuts through the large calcrete surface expression in the northwest corner of the Survey Area (Figure 2.4).

710000
720000
730000
740000
7460000
7450000
West Angelas Rd

LEGEND

Survey Area
Local Road
Rail

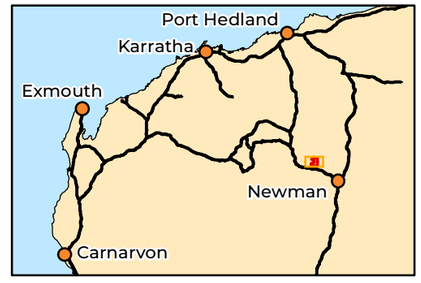
Soil Unit
Fa13
Fa14

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 05/06/2024



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 2.3: Soils of the Survey Area

704000 720000 736000 752000 768000

7472000

7456000

7440000

Subcatchment
Unnamed
Weeli Wolli/Marillana

Marillana Creek
Yandicoogina Creek
Yandicoogina Creek
Mindy Mindy Creek
Goondiner Creek
Weeli Wolli Creek
Pebble Mouse Creek
Goondiner Creek

National GDE Atlas Search (BoM, 2024b)

Aquatic GDE
- Moderate potential GDE - from national assessment
- Unclassified potential GDE - from regional studies

Terrestrial GDE
- Moderate potential GDE - from national assessment
- Low potential GDE - from national assessment

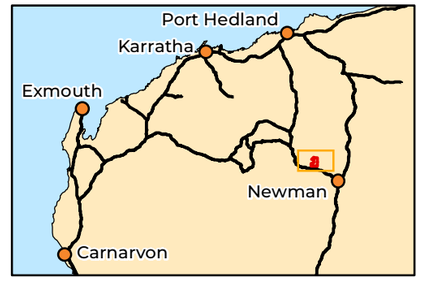
LEGEND
- Survey Area
- Surface Hydrology
  - Minor
  - Major

Biologic

Scale 1:200,000

0 4 8 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 31/10/2024



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 2.4: Hydrology of the Survey Area

2.6.1 Groundwater Dependent Ecosystems

Groundwater Dependent Ecosystems (GDE) are ecosystems that rely upon groundwater for their continued existence (BoM, 2024b). GDE can be represented by many different assemblages of biota which rely on groundwater, and as a result come in many forms. For terrestrial ecosystems there are three key types of GDE (BoM, 2024b):

1. Aquatic ecosystems: that rely on the surface expression of groundwater, including some groundwater-dependent vegetation (GDV) such as aquatic macrophytes;
2. Terrestrial ecosystems: that rely on the subsurface presence of groundwater (this includes all terrestrial GDV; and
3. Subterranean ecosystems (this includes cave and aquifer ecosystems).

Ephemeral, or seasonal rainfall reliant, ecosystems and vegetation which don't rely on permanent groundwater are known as inflow dependent ecosystems (IDE).

2.6.2 Groundwater Dependent Flora & Vegetation

Aboveground terrestrial GDE are typically characterised by the presence of flora species that rely on groundwater, i.e., phreatophytes. Phreatophytes may be classified as either obligate or facultative phreatophytes depending on their reliance on groundwater (Eamus *et al.*, 2016):

- Obligate phreatophytes are flora species confined to habitats with access to groundwater;
- Facultative phreatophytes are flora species that can utilise groundwater to satisfy a proportion of their ecological water requirement (EWR) when it is available. However, some individuals may also satisfy their EWR by relying solely on uptake from upper unsaturated soils layers where groundwater is inaccessible.

Obligate phreatophytes are flora species completely or highly dependent on groundwater and are therefore confined to habitats with continual, seasonal, or episodic access to groundwater. As they rely on groundwater to satisfy at least some proportion of their ecological water requirement (EWR) (Eamus *et al.*, 2016), obligate phreatophytes are highly sensitive to changes in groundwater regime and respond negatively to rapid groundwater drawdown. As such, obligate phreatophytes are often the best indicator of consistently shallow groundwater tables, or permanent surface water presence in the Pilbara. Not all phreatophytic species display the same degree of dependency on groundwater and the dependency within species has been shown to vary both spatially and temporally (Eamus *et al.*, 2016), with the hydrological regime of a particular catchment, creek, or river system, a key factor in presence and dependency of a phreatophyte on groundwater.

Facultative phreatophytes are plants that can access groundwater but are not totally reliant on it, instead using groundwater opportunistically, particularly during times of drought. Some individuals may satisfy their EWR by relying solely on uptake from upper unsaturated soil layers where groundwater is inaccessible (Eamus *et al.*, 2016). Facultative phreatophytes are therefore generally associated with the subsurface presence of groundwater, rather than surface expression of groundwater. Most facultative phreatophytes are large woody trees and shrubs with deep root systems.

In the Pilbara, tree species are often used as an indicator of groundwater depth and ecosystem dependence. The key Pilbara tree species which are considered to be indicators of groundwater depth and permanence are presented in Table 2.4. The tree species and their known plant physiology and groundwater dependence listed in Table 2.4 has been adapted from a number of sources including tree and riparian health vegetation monitoring programs (in response to drawdown and discharge) listed in Table 3.2, groundwater dependent vegetation assessments in the Pilbara (including but not limited to Mattiske (2019), Biologic (2020), Biologic (2021a), Rio Tinto (2018b), Rio Tinto (2018a), Rio Tinto (2020b), Rio Tinto (2020a), Rio Tinto (2023) etc.) and known preferred occurrences and water use strategies for each tree taxon (in-field observations and from database sources such as WAH (1998 -)).

Table 2.4: Groundwater dependence categorisation

Species Dependence on Groundwater categorisation	Plant Physiology/ water use strategy	Relevant Species in the Pilbara
High	Obligate Phreatophyte	*Melaleuca argentea*
Moderate	Facultative Phreatophyte	*Eucalyptus camaldulensis*
Low to Moderate	Facultative Phreatophyte / Vadophyte	*Eucalyptus victrix*, *Eucalyptus xerothermica*, *Corymbia candida*
Low (virtually negligible)	Vadophyte / Xerophyte	*Eucalyptus leucophloia*, *Corymbia hamersleyana*, *Corymbia deserticola*

In addition to the tree species outlined above, other Pilbara flora taxa can also indicate presence and availability of groundwater. Comparatively less information is known on the groundwater use strategies of understorey species, however, some taxa are generally accepted as hydrophytic/ mesophytic (i.e., plants that live in aquatic environments, and plants requiring a moderate amount of water respectively) and occur in association with landforms and sub-landforms with groundwater in close proximity to the surface (e.g. drainage lines).

2.6.3 Sheet-flow Dependent Ecosystems

Mulga is a vernacular term used in reference to a dominant arid-zone, group of tall shrubs, allied to the *Acacia aneura* taxonomic complex, of which there are 12 separate entities, excluding informal variants, putative hybrids and intergrades (Maslin & Reid, 2012). The term Mulga is also used to describe vegetation communities in which these taxa predominate (Maslin *et al.*, 2012). The structure and patterning of mulga communities varies from strongly banded (groved) through to open shrublands and woodlands across the landscape (Page & Grierson, 2012). The bandings act as a sink for nutrients and water to infiltrate the soil and are readily available for uptake by the flora located within the banding. This banding and overland sheet-flow supports a diverse biota within the Mulga bands and plays an important ecological function which is well documented (Dawson & Ahern, 1973; Saco *et al.*, 2007; Winkworth, 1973).

2.7 Vegetation

2.7.1 Vegetation Associations

Pre-European vegetation mapping based on the major structural vegetation types was originally undertaken by Beard at various scales (predominantly 1:1,000,000) across Western Australia (Beard, 1975a). Shepherd *et al.* (2002) reinterpreted and updated this mapping to reflect the National Vegetation Information System (NVIS Technical Working Group) standards (ESCAVI, 2003). The update also accounts for extensive clearing since Beard (1975b) mapping. Shepherd *et al.* (2002) created a series of 'systems' to assist in removing mosaic vegetation associations originally mapped by Beard (1975b); however, some mosaics still occur. Two vegetation associations occur across the Survey Area (Figure 2.5; Table 2.5).

Table 2.5: Vegetation associations of the Survey Area

Vegetation System	Code	Description	Extent in Survey Area	
			ha	%
Hammersley	82.3	Hummock grassland (*Triodia* spp.) with scattered bloodwoods (*Corymbia* spp.) and snappy gum (*Eucalyptus leucophloia*) low tree steppe.	14,294.4	66.6
	18.11	Mulga (Acacia aneura) and associated species low open or sparse woodland.	7,167.5	33.4

The current extent of the two vegetation system associations remaining exceeds 98% across the four regional scales: State, bioregion (Pilbara), subregion (Hamersley) and Local Government Authority (LGA; Shire of East Pilbara) (Government of Western Australia, 2019) (Table 2.6). Currently, both vegetation system associations (82.3 and 18.11) are represented within the National Reserve System having greater than 12% and 19% of their current

bioregional and subregional extent within reserves, respectively (Government of Western Australia, 2019) (Table 2.6).

Table 2.6: Hammersley system associations occurring within the Survey Area

Code	Scale	Pre-European extent (ha)	Current extent remaining (ha / %)	Current extent remaining within reserves
82.3	State	2,169,997	2,157,841 / 99.4	262,983 / 12.2
	Pilbara	2,168,702 ha	2,156,547 / 99.4	262,983 / 12.2
	Hamersley	2,158,862 ha	2,146,708 / 99.4	262,244 / 12.2
	LGA	573,313 ha	565,215 / 98.6	n/a
18.11	State	580,556 ha	575,852 / 99.2	113,404 / 19.7
	Pilbara	580,512 ha	575,808 / 99.2	113,404 / 19.7
	Hamersley	580,512 ha	575,808 / 99.2	113,404 / 19.7
	LGA	224,292 ha	220,375 / 98.3	44 / <0.1

2.7.2 Bioregional Significance

Under the Convention on Biological Diversity, Australia has worked towards a target of 17 % of the continent to be protected as part of the National Reserve System (NRS). The NRS is an Australia-wide network of protected areas, defined as legally recognised, dedicated and managed areas with the purpose of achieving long-term conservation of nature, ecosystem services and cultural values (NRSTG, 2009). In building the NRS, priority is given to under-represented bioregions that have less than 10 % of their remaining area protected in reserves (NRSTG, 2009). The Pilbara bioregion is an under-represented bioregion, with less than 10 % of its total area protected in reserves. The Hamersley subregion is adequately represented, with more than 13 % of the subregional area protected within reserves.

Despite the Pilbara bioregion being under-represented within the NRS, greater that 99 % of the bioregional and the Hamersley subregional area remains intact (Government of Western Australia, 2019).

710000
720000
730000
740000
7460000
7450000
West Angelas Rd

LEGEND

Survey Area
Local Road
Rail

Pre-European Vegetation

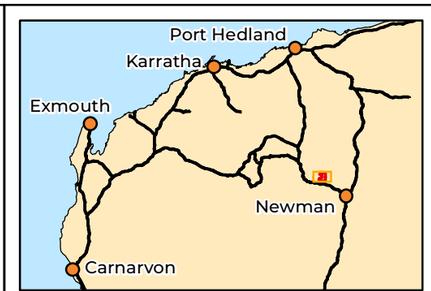
Hamersley 18
Hamersley 29
Hamersley 82

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 25/06/2024



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 2.5: Pre-European vegetation associations of the Survey Area

2.8 Native Title, Heritage & Land Use

The Nyiyaparli People hold native title over 36,684 square kilometres (km^2) of land in the Pilbara and Gascoyne regions (tribunal file no. WAD1998/6280), encompassing the town of Newman and the Aboriginal communities of Jigalong and Parnpajinya (Karlka Nyiyaparli, 2022). The Banjima People hold native title over approximately 10,000 km^2 of land in the Pilbara region (tribunal file no. WAD6096/1998) from Mulga Downs in the north to Mining Area C in the south (RNTBC, 2013). The western edge of the Nyiyaparli determination boundary (shared with the Banjima People) roughly aligns with the Survey Area boundary, with part of the upper section of Weeli Wolli Spring falling in Banjima Native Title determination (Figure 2.6). Weeli Wolli Creek is listed as an area of particular cultural and environmental significance to both the Nyiyaparli and Banjima People.

A number of areas are defined as registered Department of Aboriginal Affairs (DAA) sites and Heritage Exclusion Zones in the Jinidi Survey Area, many of which were defined and/or amended and adjusted during this survey's timeline by the Nyiyaparli People, the Banjima People and BHP WAIO (Figure 2.6). Smaller areas include archaeological and ethnographic sites, while bigger areas include ethnoecological sites (calcrete adjacent Weeli Wolli Spring), ceremonial sites and water holes (Weeli Wolli Creek) and mythological sites (Roundtop Hill)). Partial access was given to sections of Weeli Wolli Creek, the adjacent calcrete Roundtop Hill at different times throughout the survey, while a large central portion of Roundtop Hill (1,079 ha) was deemed inaccessible altogether by this survey for sensitivity reasons.

The dominant land uses in the subregion including grazing, native pastures, conservation, urban areas, and mining (Kendrick, 2003), as well as recreation and tourism. Several mines and their associated infrastructure are currently active in the central Pilbara in proximity to the Survey Area e.g. Hope Downs 1, 2 and 4, South Flank, and Mining Area C. The BHP WAIO-managed Marillana pastural lease occurs immediately adjacent to the north of the Survey Area (excluding Weeli Wolli Creek). Railway infrastructure associated with these mines run through South Parmelia in the southern part of the Survey Area. Karijini National Park occurs approximately 60 km to the west of the Survey Area.

710000
720000
730000
740000
7460000
7450000

Banjima People,
WAD6096/1998,
WC2011/006

Nyiyaparli People,
WAD6280/1998,
WC2005/006

West Angelas Rd

Nyiyaparli #3,
WAD196/2013,
WC2013/003

Palyku Part A
Banjima People
Nyiyaparli People
Yinhawangka Part A
Nyiyaparli #3
Yinhawangka Part B
Newman
Ngarlawangga People
Nharnuwangga Wajarri And Ngarlawangga

LEGEND

- Survey Area
- Local Road
- Rail

Native Title (Determination)

- Banjima People
- Nyiyaparli #3
- Nyiyaparli People

DAA Heritage Site

- Accessibility Permitted
- Accessible Trips 1 & 2

Heritage Exclusion Zone

- Accessible Trips 1 & 2
- Accessible Trips 3 & 4
- Accessible Trip 4
- Not Accessible

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 05/06/2024

Port Hedland
Karratha
Exmouth
Newman
Carnarvon

BHP WAIO

Jinidi Detailed Flora and Vegetation Survey

Figure 2.6: Native Title, heritage and tenure of the Survey Area

3 Desktop Assessment

3.1 Methods

A desktop assessment, comprising database searches and a literature review, was undertaken prior to the field survey. The purpose of the desktop assessment was to identify significant flora and vegetation values occurring, or potentially occurring, in the Survey Area.

3.1.1 Database Searches

Eight database searches were undertaken to generate a list of vascular flora taxa previously recorded within, and near, the Survey Area; including introduced and significant taxa (Table 3.1). Two of the database searches also identified ecological communities/ vegetation types of significance that occur, or may occur, within, and near the Survey Area. The parameters for each of the search areas are presented in Table 3.1.

Table 3.1: Details of database searches from the Survey Area

Purpose	Database	Parameters
To identify flora species and communities previously recorded within the Survey Area and its vicinity, in particular those of significance	Threatened and Priority Ecological Communities, Species and Communities Branch #56-0823EC (DBCA, 2023d)	40 km radius of Survey Area
	Threatened and Priority Flora Database #75-0823FL (DBCA, 2023e)	
	Dandjoo – species occurrence search (DBCA, 2023a)	
	NatureMap – species occurrence search #94-0823NM (DBCA, 2023b)	
	Atlas of Living Australia (ALA) – species occurrence search ALA (2023)	
	Western Australian Herbarium (WAH) Specimen Database (WAH, 1998 -)	50 km radius of Survey Area
To identify potential species and communities listed under the Commonwealth EPBC Act within the Survey Area	EPBC Act Protected Matters Search Tool (DCCEEW, 2023)	40 km radius of Survey Area
To identify declared pest plants within the Survey Area	Declared Pests Database (WAOL) (DPIRD, 2023)	Search of the entire Shire of East Pilbara

3.1.2 Review of Other Survey Reports

A review of available literature relevant to the Survey Area was undertaken to compile a list of significant flora species and vegetation communities of interest with the potential to occur within the Survey Area. Thirty-seven assessments were reviewed, 26 intersecting or partially intersecting the Survey Area (Table 3.2). Of note are the two monitoring programs which Biologic currently complete biannually since 2021 (aquatic monitoring and tree and riparian vegetation health monitoring) (Biologic, 2023b, 2023c, 2023d, 2023e). Both of these

monitoring programs have sample sites which overlap the Jinidi Project Survey Area boundary.

Table 3.2: Summary of reports informing the desktop assessment

Project Area	Reference	Survey Type
Intersecting Survey Area		
Hope Downs 1 Development Envelope - Vegetation Mapping	Astron (2020)	Reconnaissance and consolidated vegetation mapping
Weeli Wolli Creek Tree and Riparian Vegetation Health Monitoring Dry 2021-Wet 2022	Biologic (2023b)	Tree and riparian monitoring
Weeli Wolli Creek Tree and Riparian Vegetation Health Monitoring Dry 2022-Wet 2021	Biologic (2023c)	Tree and riparian monitoring
Weeli Wolli Spring Aquatic Monitoring 2022	Biologic (2023d)	Aquatic monitoring
Weeli Wolli Spring Aquatic Monitoring 2021	Biologic (2023e)	Aquatic monitoring
Jinidi Mine Access Road Infrastructure Corridor – Flora and Fauna Values	Biota (2011)	Desktop review
Jirridi (Jinayri) Biological Survey Summary Report	Ecologia (2006)	Biological
Weeli Wolli Creek Biological Assessment Survey	Ecologia (1998)	Detailed
Jinayri Access Road Flora and Vegetation Survey	ENV (2010a)	Detailed
Jinayri Mining Lease Flora and Vegetation Survey	ENV (2010b)	Targeted (section 1), Detailed (section 2)
Jinayri to Area C Access Corridor Flora and Vegetation Assessment	ENV (2010c)	Detailed
Jinayri Geotechnical and Sterilisation Program Flora and Vegetation Assessment	ENV (2009)	Detailed
Evaluating the environmental condition of Weeli Wolli Creek	EPA (2018b)	Supporting technical report (large scale desktop assessment with site visits)
2014 Assessment of Flora and Vegetation Condition Along Weeli Wolli Creekline	Mattiske (2014a)	Riparian monitoring
Review of Condition of Flora and Vegetation along Weeli Wolli, Mindy Mindy and Coondiner Creeklines	Mattiske (2014b)	Riparian monitoring
Review of Condition of Flora and Vegetation along Weeli Wolli, Mindy Mindy and Coondiner Creeklines	Mattiske (2013)	Riparian monitoring
Flora and Vegetation of the Hope Downs 1 Area	Mattiske (2009)	Detailed

Project Area	Reference	Survey Type
Reconnaissance flora and vegetation survey and fauna assessment Newman to Mining Area C powerline corridor	Onshore (2017)	Reconnaissance
Ethel Creek and Marillana Pastoral Leases Flora and Vegetation Desktop Assessments	Onshore (2016)	Desktop assessment
Flora and Vegetation Survey of the Weeli Wolli Spring Priority Ecological Community	Onshore (2012a)	Detailed
Flora and Vegetation Review Jinidi Iron Ore Project	Onshore (2012b)	Consolidation of six previous flora and vegetation surveys
Biological Survey: South Parmelia Exploration Leases	Onshore and Biologic (2009)	Detailed
Flora and Vegetation Survey of Hydrological Drill Targets at Jinayri North	Pilbara Flora (2009)	Detailed
Targeted Riparian Survey of the Greater Hope Downs 1 Area	Rio Tinto (2023)	Targeted riparian
Flora and Vegetation Survey of the Weeli Wolli Creek Area	Trudgen (1984)	Detailed
Area C to Jinayri to Mount Newman Railway Flora and Vegetation Survey	Woodman (2010)	Detailed
< 10 km from Survey Area		
Hope Downs 2 Proposal Flora and Vegetation Survey	Astron (2019)	Detailed
Jinidi to Mindy Level 1 Flora and Vegetation Survey	Biota (2012a)	Reconnaissance
South Flank to Jinidi Level 2 Flora and Vegetation Survey	Biota (2012b)	Detailed
Flora and Vegetation Survey: Jinidi to Mainline Study Area	Onshore (2012c)	Detailed (and consolidation of previous work)
> 10 km from Survey Area		
Area C to Yandi flora and vegetation survey	Astron (2010)	Detailed
Central Pilbara Hub: Detailed and Targeted Flora Survey	Biologic (2023a)	Detailed and targeted
Ministers North Miscellaneous Licence Area Amendment Surveys and Yandicoogina Creek Detailed Flora and Vegetation Assessment	Biologic (2021b)	Detailed
Area C R-Deposit Flora and Vegetation Assessment	ENV (2007)	Detailed
Mining Area C Review of Flora and Vegetation Baseline Information	Onshore (2014)	Desktop assessment

Project Area	Reference	Survey Type
Level 2 Flora and Vegetation Survey South Flank	Onshore (2012d)	Detailed
Flora and Vegetation Survey Area C and Surrounds	Onshore (2011)	Detailed

3.1.3 Assessment of Occurrence of Significant Flora

Significant flora species (defined in Appendix A) identified in the database searches and previous reports are assessed per taxon for their likelihood of occurrence in the Survey Area. Rankings were assigned using the following definitions presented in the decision matrix (Table 3.3).

Interpretation of likelihood criteria may vary between species due to several factors influencing species occurrence—known distribution, known range, preferred habitat, ecology, and/or dispersal capabilities. The assessment of occurrence also takes into consideration how well distributed a species is within known localities. Where necessary, justification for the likelihood ranking will be provided per species. Likelihood rankings were re-assessed post field survey taking ground truthing into consideration (see Section 4.2.3.2).

Table 3.3: Assessment of Occurrence of significant flora decision matrix

		Habitat categories (within the Survey Area)			
		Core/ critical habitat present	Suitable habitat present/ within known distribution	Marginal habitat present/ adjacent to known distribution	No suitable habitat present/ outside of known distribution
Species records / Occurrence Categories	Recorded in the Survey Area	Confirmed	Confirmed	Confirmed	Confirmed
	Recorded within <5 km	Highly Likely	Likely	Possible	Possible
	Recorded within 5-15 km	Likely	Possible	Possible	Unlikely
	Recorded within 15–40 km	Possible	Possible	Unlikely	Unlikely
	Recorded >40 km	Possible	Unlikely	Unlikely	Highly Unlikely
	Considered locally/regionally extinct	Unlikely	Unlikely	Highly Unlikely	Highly Unlikely

3.1.4 National GDE Atlas

The Bureau of Meteorology (BoM) has developed the Groundwater Dependent Ecosystems Atlas (GDE Atlas) as a national dataset of Australian GDE to inform groundwater planning and management (BoM, 2024b). It is the first and only national inventory of GDE in Australia.

The GDE Atlas contains information about the three key types of ecosystems listed above (aquatic, terrestrial, subterranean). Importantly, the GDE Atlas also includes the national inflow-dependent landscapes layer which is derived from remotely sensed data. This layer indicates the likelihood that a landscape is accessing water in addition to rainfall (such as soil moisture, surface water or groundwater), and generally represents a potential GDE dataset for all areas not yet studied or investigated in any detail.

The GDE mapping in the GDE Atlas comes from two broad sources:

- National assessment – national-scale analysis based on a set of rules that describe potential for groundwater/ ecosystem interaction and available geographic information systems (GIS) data.
- Regional studies – more detailed analysis undertaken by various state and regional agencies using a range of different approaches including field work, analysis of satellite imagery and application of rules/conceptual models.

3.1.5 Sheet-flow Dependent Ecosystems

Potential for sheet-flow dependence is initially assessed by a review of Land System descriptions (van Vreeswyk *et al.*, 2004) and review of aerial imagery intersecting the Survey Area, with survey sampling and field observations required to support overland flow potential.

3.2 Results

3.2.1 Flora

A total of 1,178 vascular flora taxa from 86 families and 335 genera were collated during the review of the database searches (Appendix B). This list included 98 introduced flora taxa from 27 families (Appendix C).

3.2.1.1 Significant Flora

Sixty-eight significant flora taxa (those listed under the EPBC Act, BC Act, or DBCA's Priority List) were identified from the desktop assessment (database searches and review of other survey reports) (Figure 3.1, Appendix B, Appendix D). Of these, 66 were identified in the database searches and two were identified in the review of other reports only. One taxon is listed as Threatened (Endangered) under the BC Act; *Synostemon hamersleyensis* (T), and the remaining 67 taxa are categorised as follows: nine listed as Priority 1 (P1), eight P2, 43 P3, and seven P4. Key findings from the review of other survey reports are presented in Appendix D.

Assessment of Occurrence

Flora taxa of significance identified by the desktop assessment were assessed and ranked on the likelihood of occurring within the Survey Area using an assessment of occurrence matrix (Table 3.3). Table 3.4 displays taxa considered Confirmed within (12), Highly Likely to occur (4), Likely to occur (1), and Possible to occur (14) in the Survey Area pre-survey. The remaining taxa are considered either Unlikely (24) or Highly Unlikely (13) (Appendix E).

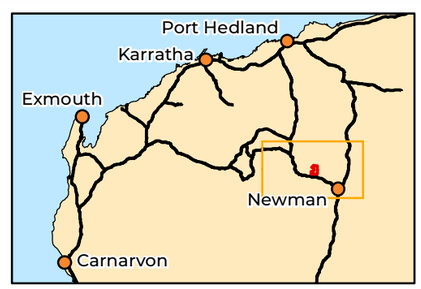
Synostemon hamersleyensis (T (EN, BC Act)) is a wiry, cladodinous subshrub with a waxy cuticle, to 1 m high, restricted geographically to a 50 x 25 km stretch of ironstone (preferentially the Joffre Ironstone Formation) steep slopes, scree, cliffs, and gorges on the north-eastern edge of the Hamersley subregion (adjacent the southern edge of the Fortescue Marsh landscape depression) (Rio Tinto & WAH, 2015; WAH, 1998 -). Although the closest known location of this taxon is 22.5 km north of the Survey Area, the restricted known range of the taxon, the well-documented geographical and geological habitat specificity of the taxon, and the large number of historical surveys for the taxon (particularly regional surveys), the pre-survey likelihood of this taxon occurring in the Survey Area is considered Unlikely (Appendix E).

Of the 68 taxa identified by the desktop assessment, two taxa, *Crotalaria smithiana* (P3) and *Iotasperma sessilifolium* (P3), were identified from the review of other survey reports only (not identified by database searches). Biologic was unable to obtain the location data for these taxa and thus they have not been presented on Figure 3.1. However, their approximate distances from the survey area boundary were estimated utilising survey maps and aerial imagery and thus have been included in the overall pre-survey assessment of occurrence. Both taxa were considered Highly Unlikely pre-survey (both occur >50 km from the Survey Area boundary outside of their known distribution.

635000
690000
745000
800000
7480000
7425000
Karijini Dr
Juna Downs Junction Rail
West Angelas Rail
Yandicoogina Rail
Great Northern Hwy
Port Hedland Newman Railway
Marble Bar Rd
Newman
Jimblebar

LEGEND
Survey Area
State Road
Rail

Biologic
Scale 1:570,000
0 10 20 Km
Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 31/10/2024



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 3.1: Significant flora records from the desktop assessment

Significant Flora

Threatened

- *Synostemon hamersleyensis*

Priority 1

- *Calotis squamigera*
- *Lindernia* sp. Pilbara (M.N. Lyons & L. Lewis FV 1069)
- *Myriocephalus scalpellus*
- *Paranotis* sp. Pilbara (H. Ajduk HAOP04a)
- *Rorippa* sp. Fortescue Valley (M.N. Lyons & R.A. Coppen FV 0760)
- *Samolus* sp. Fortescue Marsh (A. Markey & R. Coppen FM 9702)
- *Sida* sp. Turee Creek (P.-L.de Kock PLDK1116)

Priority 2

- *Cladium procerum*
- *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109)
- *Eremophila* sp. West Angelas (S. van Leeuwen 4068)
- *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708)
- *Kohautia australiensis*
- *Neptunia longipila*
- *Tetratheca fordiana*
- *Triodia* sp. Karijini (S. van Leeuwen 4111)

Priority 3

- *Acacia effusa*
- *Acacia subtiliformis*
- *Amaranthus centralis*
- *Aristida jerichoensis* var. *subspinulifera*
- P3<ITA>Aristida lazaridis
- *Atriplex flabelliformis*
- *Dampiera metallorum*
- *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479)
- *Eremophila magnifica* subsp. *velutina*
- *Eremophila naaykensii*
- *Eremophila rigida*
- *Eremophila spongiocarpa*
- *Euphorbia australis* var. *glabra*
- *Euphorbia inappendiculata* var. *inappendiculata*
- *Euphorbia stevenii*
- *Fimbristylis sieberiana*
- *Glycine falcata*
- *Goodenia lyrata*
- *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727)
- *Grevillea saxicola*
- *Gymnanthera cunninghamii*
- *Indigofera gilesii*
- *Isotropis parviflora*
- *Ipomoea racemigera*
- *Olearia mucronata*
- *Oxalis* sp. Pilbara (M.E. Trudgen 12725)
- *Pilbara trudgenii*
- *Rhagodia* sp. Hamersley (M. Trudgen 17794)
- *Rostellularia adscendens* var. *latifolia*
- *Sida* sp. Hamersley Range (K. Newbey 10692)
- *Solanum kentrocaule*
- *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353)
- *Stylidium weeliwolli*
- *Swainsona thompsoniana*
- *Tecticornia medusa*
- *Themeda* sp. Hamersley Station (M.E. Trudgen 11431)
- *Triodia basitricha*
- *Triodia* sp. Mt Ella (M.E. Trudgen 12739)
- *Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684)

Priority 4

- *Acacia bromilowiana*
- *Eremophila magnifica* subsp. *magnifica*
- *Eremophila youngii* subsp. *lepidota*
- *Lepidium catapycnon*
- *Ptilotus mollis*
- *Rhynchosia bungarensis*
- *Sida* sp. Barlee Range (S. van Leeuwen 1642)

Biologic

Table 3.4: Summary of the assessment of occurrence

Taxa	Source	Proximity from Survey Area
Confirmed		
Cladium procerum (P2)	A; C; D; E; F; L	Within
Acacia subtiliformis (P3)	A; B; G; I; J; O; Q; S; X; Z; AH	Within
Fimbristylis sieberiana (P3)	A; C; D; E; F; Q; R; W; X; AA; AD; AH	Within
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	A; G; H; I; J; K; O; P; Q; S; T; U; X; Z; AH	Within
Grevillea saxicola (P3)	A; B; P; S; Y; Z	Within
Gymnanthera cunninghamii (P3)	A; P; Q; R; AD	Within
Indigofera gilesii (P3)	A; H; K; S; AC	Within
Isotropis parviflora (P3)	A; Q; S	Within
Rostellularia adscendens var. *latifolia* (P3)	A; B; C; D; I; O; Q; R; S; T; V; X; Z; AA; AD; AF; AG; AH	Within
Stylidium weeliwolli (P3)	A; C; D; E; F; L; M; N; O; Q; R; V; X; AA; AH	Within
Triodia sp. Mt Ella (M.E. Trudgen 12739) (P3)	A; Q; S; Y; AG	Within
Lepidium catapycnon (P4)	A; B; G; P; Q; R; S; T; X; Y; AA; AG	Within
Highly Likely		
Aristida lazaridis (P3)	A; B; Q; V; Y; AC; AD; AF; AG; AH	0.9 km S
Eremophila naaykensii (P3)	A; Q; Y	0.4 km WNW
Ipomoea racemigera (P3)	A; C; D	0.2 km WNW
Rhagodia sp. Hamersley (M. Trudgen 17794) (P3)	A; B; H; J; P; Q; S; V; X; Y; AF; AG; AH	27.7 km NW
Likely		
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)	A; Y	5.5 km W
Possible		
Eragrostis sp. Mt Robinson (S. van Leeuwen 4109) (P2)	A	12.7 km E
Eremophila sp. West Angelas (S. van Leeuwen 4068) (P2)	A; Y	18.1 km SSE
Kohautia australiensis (P2)	A	40.9 km NW
Amaranthus centralis (P3)	A; Q	16.9 km NW
Aristida jerichoensis var. *subspinulifera* (P3)	A; P; AF; AG; AH	1.6 km S
Dampiera metallorum (P3)	A; AG	17.8 km S

Taxa	Source	Proximity from Survey Area
Eremophila magnifica subsp. *velutina* (P3)	A; O	41.8 km W
Oxalis sp. Pilbara (M.E. Trudgen 12725) (P3)	A	8.7 km SSE
Themeda sp. Hamersley Station (M.E. Trudgen 11431) (P3)	A; Q; AG	10.2 km S
Vittadinia sp. Coondewanna Flats (S. van Leeuwen 4684) (P3)	A; P; AH	11.9 km S
Acacia bromilowiana (P4)	A; O; Y; AB; AF; AG	7.6 km WSW
Eremophila magnifica subsp. *magnifica* (P4)	A; B; O; Y; Z; AE; AF; AG; AH	6.5 km WNW
Ptilotus mollis (P4)	A; Y; Z; AG	7.2 km SW
Sida sp. Barlee Range (S. van Leeuwen 1642) (P4)	A; AA; AC; AD; AG; AH	8.6 km E

A = Database searches (TPFL. WAH &/or ALA); B = Astron (2020); C = Biologic (2023b); D = Biologic (2023c); E = Biologic (2023d); F = Biologic (2023e); G = Biota (2011); H = ENV (2010a); I = ENV (2010b); J = ENV (2010c); K = ENV (2009); L = Mattiske (2014a); M = Mattiske (2014b); N= Mattiske (2013); O = Mattiske (2009); P = Onshore (2017); Q = Onshore (2016); R = Onshore (2016); S = Onshore (2012b); T = Onshore and Biologic (2009); U = Pilbara Flora (2009); V = Rio Tinto (2023); W = Trudgen (1984); X = Woodman (2010); Y = Astron (2019); Z = Biota (2012b); AA = Onshore (2012c); AB = Astron (2010); AC = Biologic (2023a); AD = Biologic (2021); AE = ENV (2007); AF = Onshore (2014); AG = Onshore (2012d); AH = Onshore (2011).

3.2.2 Vegetation

3.2.2.1 Significant Vegetation

The desktop assessment did not identify any TECs with potential to occur in the Survey Area.

One PEC; the "Weeli Wolli Spring community" (P1) (DBCA, 2023c), intersects the northwest corner of the Survey Area (Figure 3.2). An additional eight PECs with potential to occur in the Survey Area were identified by the desktop assessment (Table 3.5). Review of the vegetation mapping from the desktop assessment against relevant GIS parameters (e.g., Land Systems, aerial imagery etc.) suggests that there is a low potential for any these eight PECs to occur in the Survey Area.

EPA's Evaluation of the Environmental Condition of Weeli Wolli Creek

As highlighted in Biologic's ongoing tree and riparian vegetation health monitoring program of Weeli Wolli Creek (see section 3.1.2), of particular interest to this program and the Jinidi project are the key findings from the EPA's evaluation of the environmental condition of Weeli Wolli Creek (EPA, 2018b). This evaluation (which includes a complex and large-scale desktop assessment with field visits) assessed individual mining proposals, but also considered cumulative impacts as part of its assessment. The evaluation also wanted to better understand the cumulative impacts on the creek from multiple mining proposals. The EPA considered a range of information (up until the published date – February 2018) when completing this evaluation including:

- EPA reports on the assessment of proposals in the Weeli Wolli catchment;
- Implementation conditions for approved proposals (Ministerial Statements);
- Mining company documents (EIA documents, survey reports, monitoring data, papers and consultant reports); and
- Department of Water and Environmental Regulation surface and groundwater data and Bureau of Meteorology climate data.

This evaluation found that some important features of the creek have changed, most notably the cessation of the natural Weeli Wolli Spring discharge (i.e., natural permanent spring waterflow has ceased, likely due to nearby mining below the water table). Irrigation (discharge from nearby mining) appears to be successfully maintaining shallow groundwater levels and surface expression in the creek and pools in the absence of natural spring flow, in part due to the favourable hydrogeological setting which supports a shallow groundwater system. Although there have been some changes, the overall ecosystem of the spring and creek appears to be functioning, consistent with the EPA's predictions. A key gap, however, is in the robustness of floral monitoring and reporting, as there is a lack of understanding of understorey floral diversity.

Groundwater Dependent Ecosystems

The BoM GDE Atlas indicates that the Survey Area has potential to support both terrestrial and aquatic GDE (BoM, 2024b). Approximately half the Survey Area has low potential to support terrestrial GDE while the rest has moderate potential (Figure 2.4). The section of Weeli Wolli Creek which intersects the north-western portion of the Survey Area is classified as having a moderate (medium) potential to support aquatic GDE based on the national assessment, and a high likelihood of supporting an inflow dependent ecosystem (IDE) (IDE likelihood classification of 10). However, no specific aquatic GDE or pools were highlighted within the Survey Area in the GDE Atlas. This is noteworthy, given that Weeli Wolli Spring is a known permanent GDE and the lack of recognition in the Atlas is likely a function of the broad-scale, national analysis which follows a specific set of rules (Doody *et al.*, 2017). The national-scale GDE Atlas is an initial remotely-sensed task, with follow-up surveys and investigations required to ground-truth the Atlas and identify the presence of any actual GDE. One location in a gorge on the northern side of Roundtop Hill was identified as an unclassified potential GDE from regional studies.

Sheet-Flow Dependent Ecosystems

The Survey Area contains three land systems that have landforms subject to sheet-flow, with these being characterised by mulga groves on stony plains and hardpan plains (Table 2.2; Figure 3.3). The Boolgeeda land system includes small groves up to 20 m long within stony lower plains which are subject to sheet-flow. The Egerton land system supports sheet-flow

on highly dissected hardpan plains, slopes and narrow drainage floors, with groves up to 20 m long. The Spearhole land system has groves up to 15 km long by 100 m wide situated on gravelly hardpan plains that are subject to sheet-flow (van Vreeswyk *et al.*, 2004). Survey sampling and field observations are required to determine accuracy of sheet-flow potential.

Table 3.5: Significant ecological communities from the desktop assessment

Significant Vegetation	DBCA	Description	Distance from Survey Area
Weeli Wolli Spring community	P1	Weeli Wolli Spring's riparian woodland and forest associations are unusual as a consequence of composition of the understorey. The sedge and herbfield communities that fringe many of the pools and associated water bodies along the main channels of Weeli Wolli Creek have not been recorded from any other wetland site in the Pilbara. The spring and creekline are also noted for their relatively high diversity of stygofauna and this is probably attributed to the large-scale calcrete and alluvial aquifer system associated with the creek. The valley of Weeli Wolli Spring also supports a very rich microbat assemblage including a threatened species.	Within
Kumina Land System	P3	Ferricrete duricrust plains, uplands and plateaux remnants, relief up to 15 m. Duricrust plains and plateau remnants support hard spinifex grasslands.	5.5 km E
Riparian flora and plant communities of springs and river pools with high water permanence of the Pilbara Region	P2	The community includes flora with restricted distributions or populations that are highly disjunct or are major range extensions from northern and eastern Australia. These include *Imperata cylindrica, Cladium procerum, Schoenus falcatus* and *Fimbristylis sieberiana* (P3). In the Pilbara these taxa are almost exclusively restricted to the riparian zones of permanent wetlands with high soil moisture maintained by groundwater flows. Occurrences are disjunct with sites typically associated with groundwater discharge in gorge and valley wetlands that are often coupled with significant shading.	8.1 km E
Coolibah – Lignum Flats (sub-type 1)	P3	Woodland or forest of *Eucalyptus victrix* (Coolibah) over thicket of *Duma florulenta* (lignum) on red clays in run-on zones. Associated species include *Eriachne benthamii, Themeda triandra, Aristida latifolia, Eulalia aurea* and *Acacia aneura*. Sub-type 1 (Coondewanna, Wannamunna and Mt Bruce flats): coolibah and mulga woodland over lignum (*Duma florulenta*) and tussock grasses on clay pans.	9.8 km SSE
Vegetation of sand dunes of the Hamersley Range / Fortescue Valley	P3	These red linear iron-rich sand dunes lie on the Divide Land system at the junction of the Hamersley Range and Fortescue Valley, between Kalgan Creek and the low hills to the west. A small number are vegetated with *Acacia dictyophleba* scattered tall shrubs over *Crotalaria cunninghamii, Trichodesma zeylanicum* var. *grandiflorum* open shrubland. They are regionally rare, small and fragile and highly susceptible to threatening processes.	21.1 km NNE
Coolibah – Lignum Flats (sub-type 2)	P1	Woodland or forest of *Eucalyptus victrix* (coolibah) over thicket of *Duma florulenta* (lignum) on red clays in run-on zones. Associated species include *Eriachne benthamii, Themeda triandra, Aristida latifolia, Eulalia aurea* and *Acacia aneura*. Sub-type 2 (Lake Robinson): coolibah woodlands over lignum (*Duma florulenta*) over swamp wanderrie (*Eriachne benthamii*).	32.9 km W
Fortescue Marsh (Martuyitha) (Marsh Land System)	P1	Fortescue Marsh is an extensive, episodically inundated samphire marsh at the upper terminus of the Fortescue River and the western end of Goodiadarrie Hills. It is regarded as the largest ephemeral wetland in the Pilbara. It is a highly diverse ecosystem with fringing mulga woodlands (on the northern side), samphire shrublands and groundwater dependent riparian ecosystems. It is an arid wetland utilized by waterbirds and supports a rich diversity of restricted aquatic and terrestrial invertebrates. Recorded locality for night parrot and bilby and several other threatened vertebrate fauna. Endemic Eremophila species, populations of priority flora and several near-endemic and novel samphires.	37.1 km N
West Angelas Cracking-Clays	P1	Open tussock grasslands of *Astrebla pectinata*, *A. elymoides, Aristida latifolia*, in combination with low scattered shrubs of *Sida fibulifera*, on basalt (Jerrinah formation) derived cracking-clay loam depressions and flowlines. Occurs throughout the central and eastern Hamersley Range from near Tom Price east to Newman.	34.9 km WSW
Narbung Land System	P3	Alluvial washplains with prominent internal drainage foci supporting snakewood and mulga shrublands with halophytic low shrubs.	45.1 km NE

635000 690000 745000 800000 855000

7535000 7480000 7425000

Community - Category

- Coolibah - Lignum Flats, sub type 2 - Priority 1
- Fortescue Marsh - Priority 1
- Freshwater claypans of the Fortescue Valley - Priority 1
- Weeli Wolli - Priority 1
- West Angelas - Priority 1
- Riparian communities of springs and Pools Pilbara - Priority 2
- Coolibah - Lignum Flats, sub type 1 - Priority 3
- Fortescue Valley Sand Dunes - Priority 3
- Kumina LS - Priority 3
- Narbung LS - Priority 3

*Search date August 2023

LEGEND

- Survey Area
- State Road
- Rail

Surface Hydrology

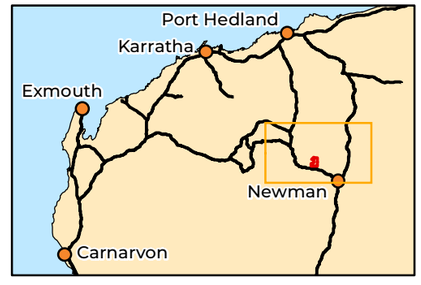
- Minor
- Major

Biologic

Scale 1:600,000

0 10 20 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



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Figure 3.2: Significant ecological communities from the desktop assessment

700000
720000
740000
760000
7460000
7440000
West Angelas Rd
Great Northern Hwy
Weeli Wolli Rd
Eagle Pool Rd

LEGEND

Survey Area
Local Road
State Road
Rail

Land Systems subject to sheet-flow

Boolgeeda System - Stony lower slopes and plains below hill systems supporting hard and soft spinifex grasslands or mulga shrublands.

Egerton System - Highly dissected plains and slopes with sparse mulga shrublands or shrubby hard spinifex grasslands.

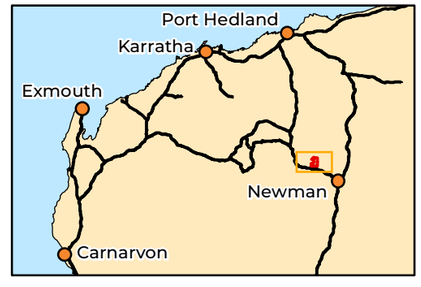
Spearhole System - Gently undulating gravelly hardpan plains and dissected slopes supporting groved mulga shrublands and hard spinifex.

Biologic

Scale 1:200,000

0 4 8 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 24/06/2024



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 3.3: Potential sheet-flow dependant ecosystems from the desktop assessment

4 Field Survey

4.1 Methods

4.1.1 Survey Timing & Personnel

Four separate field visits were completed as part of the overall two-season Detailed flora and vegetation survey, totalling 240 person days from 17 Biologic personnel (Table 4.1). The four field surveys include:

Dry-season Surveys:

- 12–19 September 2023.
- 27 October–3 November 2023.

Wet-season Surveys:

- 6–13 March 2024.
- 21–28 March 2024.

4.1.2 Weather & Climate

This survey has been designed to sample the flora and vegetation of the Survey Area multiple times of the year for adequate seasonal timing and optimal species representation. Long-term climatic data is not available for the Survey Area. However, long term climatic data (from 1971 for rainfall data and from 1996 for temperature data) is available from the BoM weather station at Newman Airport (station #007176), approximately 63 km southeast of the Survey Area (BoM, 2023). This weather station is expected to provide the most accurate dataset for historic and current climatic conditions experienced within the Survey Area.

4.1.2.1 Field Visits 1 & 2 (dry-season)

For dry-season detailed surveys in the Pilbara, the weather experienced in the twelve-, six- and three-month periods prior to survey is not critical for adequacy of survey completion and flora taxa representation (unless winter rainfall is received, or an extreme weather event occurs prior to or during the survey). Surveys completed during dry-season timing (July-November) in the Pilbara are considered supplementary to primary surveys completed in optimal timing (6-8 weeks post wet season (March-June)) (EPA, 2016b). Minimal rainfall was received in the three months prior to the dry season surveys (BoM, 2024a) (Figure 4.1), while average, minimum and maximum temperatures in this period were generally consistent with usual dry-season levels (if not marginally above average). In summary, the weather experienced prior to the dry-season surveys was adequate and consistent with usual seasonal patterns for the region.

4.1.2.2 Field Visits 3 & 4 (wet-season)

In the 12 months prior to the 2022 wet season surveys, mean minimum and maximum temperatures were comparable to the long-term average (LTA). Collective rainfall in the 3 months prior to the wet-surveys was above average, with the month of January 2024 receiving 118.4 mm above the LTA (188.6 mm compared to 70.2 mm). This timing was optimal for visits 3 and 4, with favourable ground conditions noted, as well as high representation of annual and ephemeral taxa. Significant rainfall was also received on the first day of visit 3 (6th March 2024 – 77.2 mm). This provided a second "flush" of annual and ephemeral germinants. Unfortunately, though, many of these were immature at the time of visit 4 survey. However, the pre-survey and on-ground conditions for the wet-season surveys were favourable and occurred during optimal timing as per EPA (2016b) guidance.

4.1.3 Flora & Vegetation Survey Design

4.1.3.1 Floristic Sample Sites

The field survey methods were consistent with EPA technical guidance (EPA, 2016b) and BHP WAIO's data standards and survey requirements (BHP WAIO, 2023). The sampling design and intensity focused on capturing data pertaining to:

- landform and habitat – scale, heterogeneity, rarity;
- vegetation structure, diversity and seasonality;
- potential for significant ecological communities to occur, based on habitat analysis; and
- information from previous biological surveys conducted in the vicinity of the Survey Area.

Before the field survey, aerial photography (Scale 1:30,000) of the Survey Area and Google Earth Pro©, were reviewed, along with previous consultant vegetation mapping (Astron, 2020; Ecologia, 1998; ENV, 2009, 2010a, 2010b, 2010c; Mattiske, 2009; Onshore, 2012a, 2012b; Onshore & Biologic, 2009; Pilbara Flora, 2009; Rio Tinto, 2023; Trudgen, 1984; Woodman, 2010), contextual vegetation mapping (Beard, 1975a), land systems mapping (van Vreeswyk *et al.*, 2004) and soil landscape mapping (Northcote *et al.*, 1960-1968), to determine broad preliminary vegetation unit boundaries. Survey plans were designed to ensure the Survey Area was appropriately traversed, sampled and targeted to capture the data required for a two-season detailed flora and vegetation survey.

Table 4.1: Biologic survey team, timing and licences

Biologic Personnel	Jinidi Detailed Flora and Vegetation Survey Timing				Other Project Involvement	Flora Licences	Botanical Experience
	Visit 1 (dry) 12-19 Sep 2023	Visit 2 (dry) 27 Oct – 3 Nov 2023	Visit 3 (wet) 6-13 March 2024	Visit 4 (wet) 21-28 March 2024			
Principal Botanists							
Clinton van den Bergh	-	-	-	-	Project management support	FB62000453 TFL 2223-0030	18 yrs
Vanessa Yeomans	-	-	Field team	Field team	-	FB62000556-2 TFL 2324-0129	20 yrs
Carmel Winton	Field team	-	-	-	-	FB62000134 TFL 134B-2021	15 yrs
Taxonomists							
Dr. Rachel Meissner	-	-	-	-	Specimen identifications	-	27 yrs
Rachel Butler	-	-	-	-	Specimen identifications	-	17 yrs
Senior Botanists							
Sam Coultas	Field survey lead	Field survey lead	Field survey lead	Field survey lead	Project management; reporting & data; vegetation mapping; taxonomic support	FB62000017-2 TFL 60-1819	11 yrs
Kelby Jennings	Field team	-	-	-	-	FB62000486	12 yrs
Dr. Emily Eakin-Busher	-	-	Field team	Field team	Statistical analysis	FB62000453 TFL 2223-0140	11 yrs
Botanists							
Emalyn Loudon	Field team	-	-	-	-	-	8 yrs
Che Parker	-	-	-	Field team	-	-	7 yrs
Eva Karikis	-	Field team	Field team	Field team	-	FB62000324-2	7 yrs
Kaylin Geelhoed	-	-	Field team	-	Data support	FB62000238-2	6 yrs
Emma Marsh	Field team	Field team	-	-	Taxonomic support	FB62000233-4	5 yrs
Ryan Woodhouse	Field team	Field team	Field team	Field team	Reporting & data support; desktop assessment; taxonomic support	FB62000459	4 yrs
Kay Greenacre	-	-	Field team	-	-	FB62000595	2 yrs
Grace Taylor	-	Field team	-	-	-	-	2 yrs
Rylan Cunnane	-	-	Field team	Field team	-	FB62000667	1 yr
April Slater	Field team	-	-	-	-	-	1 yr
Field Technicians							
David Symons	-	Field team (27-31 October)	-	-	-	-	18 yrs
Sammy Alatas	Field team	Field team (1-3 November)	-	Field team	-	-	1 yr

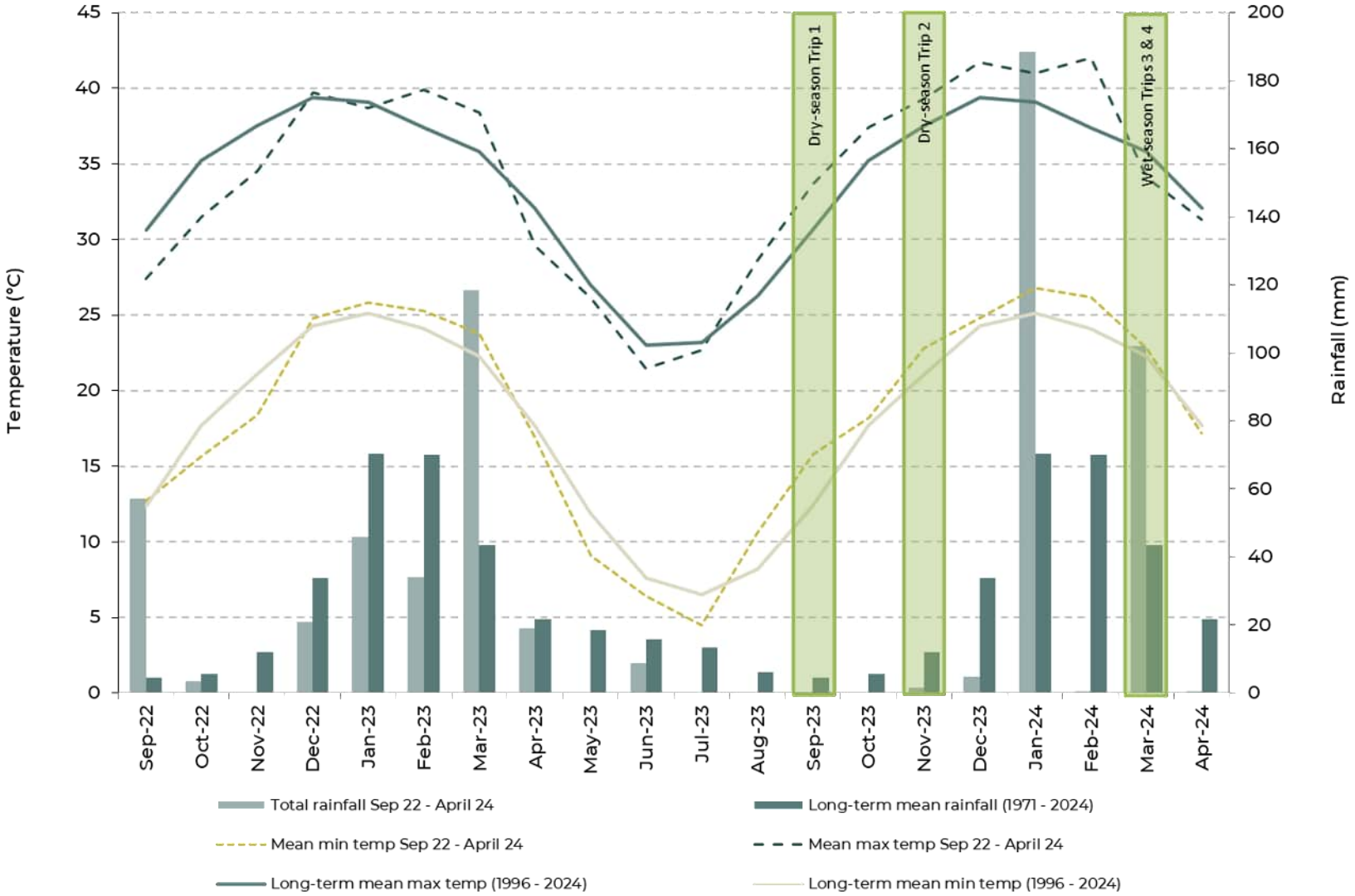


Figure 4.1: Long term and current climatic data for the Survey Area(BoM, 2024a)

During the surveys, a total of 199 quadrats (2,500 m²; 50 m × 50 m or 100 m × 25 m) were established and sampled across the Survey Area, supplemented by 34 relevés (Figure 4.2). A total of 158 quadrats were established during the dry season sampling timing (visits 1 and 2) and resampled during the wet season. A further 25 quadrats and 29 relevés were sampled in the dry season only (due to access restrictions during visits 3 and 4, see sections 2.8 and 4.2.2), while 16 quadrats and five relevés were sampled in the wet season only (some added as supplementary sites, others put in areas that had restricted access during visits 1 and 2, see sections 2.8 and 4.2.2). Quadrat site data are presented in Appendix F and Site by Species Matrix included as Appendix G.

Standard 50 m × 50 m quadrats were orientated, where possible, along cardinal edges (south, east, north, west from starting point in the northwest corner) with corner points in the north-west, north-east, south-west and south-east. Quadrats were pegged with fence droppers in the northwest and southeast corners remaining *in situ* to facilitate resampling and/or auditing, with the northwest corner post marked with a GPS waypoint. Occasionally, fitting a 50 m × 50 m quadrat in a particular vegetation type using this standard orientation isn't possible due to a number of factors (steepness of slope, aspect, shape and/or size of vegetation type assemblage etc.). Any deviation from this method regarding orientation was noted in the quadrat setup portion of the data collection form to facilitate resampling and/or auditing. An example of this would be a 50 m × 50 m quadrat orientated at 200°, 110°, 20°, 290°, to fit a particular vegetation type assemblage oddly shaped or orientated, such as along a thin, steep midslope, which doesn't allow for the standard setup method. Fence dropper installation stays the same (roughly northwest and southeast corners), as does the (roughly) northwest corner post marked with a GPS waypoint, unless specifically noted in the data.

Linear 100 m × 25 m quadrats were orientated along a bearing to best sample linear vegetation type assemblages (such as medium/minor drainage lines, gorges/gullies, cliffs, ridgelines etc.). The start and end points of linear quadrats are GPS marked and posted, with the bearing (direction) from the start to the end point noted in the data collection form. Sampling of vegetation spanned 12.5 m outward both sides from the 100 m central bearing line to adequately cover the 2,500 m² area.

At least three quadrats were established in each preliminary vegetation type, where possible, to ensure each vegetation type was captured by the survey and described appropriately and in accordance with EPA (2016b). However, some vegetation units may not allow for the recommended number of sites due to the diversity of vegetation units present, heterogeneity within these vegetation units, the size of the Survey Area and the size of the vegetation units mapped. For example, less than three quadrats were sampled in vegetation types D01 (82.4 ha) and D02 (9.7 ha), as these vegetation types were relatively small in extent and have already been well surveyed as part of Weeli Wolli Creek monitoring efforts, with

several monitoring sites in each. Previously and concurrently recorded flora and vegetation data collected by Biologic for BHP WAIO's Weeli Wolli tree and riparian vegetation health monitoring (which occur within the Jinidi Survey Area) pertaining to locations of significant flora (conservation significant listed, mesophytic/hydrophytic taxa, rare and/or novel taxa etc.) and weeds have been included in this survey report and data for additional context.

Information recorded for relevés (unbounded sites) occurred from a central coordinate to an approximate radius of 50 m. Supplementary vegetation mapping notes were also used to assist with delineation of vegetation boundaries.

4.1.3.2 Targeted Searching

Field personnel familiarised themselves with photographs, reference samples, taxonomic resources, and descriptions of significant and introduced flora taxa identified by the desktop assessment before conducting the survey. Personnel also familiarised themselves with similar relevant information pertaining to significant vegetation identified by the desktop assessment. Once on the ground, active searching was completed across the Survey Area, including searching while completing meandering traverses between floristic sites (Figure 4.2).

Significant Flora

When significant flora was identified in the field, a GPS coordinate of the individual was taken when occurring in isolation, or a central GPS coordinate was taken for a small population (central coordinate with an approximate 20 m radius). Information collected at each location comprised:

- Number of individuals, for a small population;
- Condition and reproductive status of the plants in each population;
- Photographs and description of vegetation habitat;
- Broad information on vegetation type and condition; and
- Coordinates of either each plant (if few) or the extent of the population (if many) using a GPS.

All significant flora, be it conservation significant, novel (e.g., taxa with anomalous features), and or otherwise in need of official confirmation (e.g., taxa records representing range extensions or new locations) are forwarded (submitted) to expert taxonomists at the Western Australian Herbarium (WAH) for paid formal identification (see Section 4.1.4). Threatened and Priority Flora Report Forms (TPRF) will be provided to the Parks and Wildlife Service (Parks and Wildlife) of DBCA, as required under the flora collecting permits for any collected and/or recorded conservation significant flora taxa. Significant flora specimens will be vouchered/lodged with the WAH, where required and appropriate.

724000 730000 736000

7464000

7458000

JIN-180 JIN-029 JIN-030 JIN-032 JIN-039 JIN-050 JIN-067 JIN-068 JIN-069
JIN-290 JIN-025 JINR-033 JIN-037 JIN-052 JIN-049
JIN-031 JIN-006 JIN-055
JINR-024 JIN-040 JIN-048 JIN-066
JIN-036 JIN-021 JIN-056
JIN-053 JIN-071
JIN-132 JIN-192 JIN-023 JIN-051 JINR-070
JIN-286 JIN-022
JIN-064 JIN-065
JIN-117 JIN-007 JIN-015 JIN-017 JIN-003
JINR-017 JIN-073
JIN-001 JIN-019
JIN-002 JIN-009 JIN-063 JIN-062
JIN-013 JIN-044 JIN-020 JIN-046 JINR-072
JINR-060
JIN-077 JIN-081 JIN-045
JIN-078 JIN-058 JIN-076
JIN-080 JIN-094 JIN-087 JIN-075
JIN-084 JIN-095
JIN-083 JIN-090 JIN-093 JIN-092 JIN-074
JIN-088 JIN-100
JIN-082 JIN-085 JIN-089 JIN-091 JINR-098
JIN-256 JIN-162 JIN-096
JIN-103
JINR-141 JIN-026 JIN-101
JINR-142 JIN-099
JIN-163
JINR-257 JIN-167 JIN-108
JIN-258 JIN-161 JIN-102
JIN-144
JIN-143 JINR-143 JIN-172 JIN-106
JIN-168
JIN-145 JIN-166 JIN-104
JINR-164
JIN-269 JIN-159

LEGEND

Survey Area

Site Type

Phase 1 and 2

Quadrat

Phase 1 Dry Only

Quadrat

Relevé

Phase 2 Wet Only

Quadrat

Relevé

Traverse

Trip 1 Phase 1 Dry

Trip 2 Phase 1 Dry

Trip 3 Phase 2 Wet

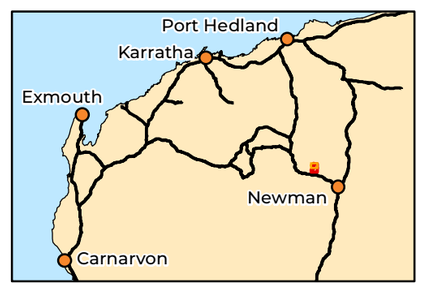
Trip 4 Phase 2 Wet

Biologic

Scale 1:56,100

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



BHP WAIO

Jinidi Detailed Flora and Vegetation Survey

Figure 4.2a: Flora sample sites and traverses

724000 730000 736000

7452000 7446000

JINR-142 JIN-163 JIN-099 JINR-257 JIN-167 JIN-258 JIN-144 JIN-161 JIN-102 JIN-108 JIN-143 JINR-143 JIN-106 JIN-172 JIN-145 JIN-168 JIN-166 JIN-104 JINR-164 JIN-159 JIN-269 JIN-107 JIN-270 JIN-170 JIN-109 JIN-146 JINR-147 JIN-169 JIN-111 JIN-137 JIN-148 JINR-171 JINR-150 JINR-118 JIN-160 JIN-149 JIN-110 JIN-151 JIN-152 JINR-159 JIN-119 JIN-157 JIN-158 JIN-140 JIN-116 JIN-165 JINR-153 JINR-115 JIN-112 JIN-139 JIN-041 JIN-271 JIN-193 JIN-174 JIN-156 JINR-193 JIN-195 JIN-135 JINR-079 JIN-190 JIN-196 JIN-197 JIN-130 JIN-114 JIN-012 JIN-272 JINR-126 JIN-275 JIN-127 JIN-128 JINR-278 JIN-126 JINR-190 JIN-191 JIN-136 JIN-131 JIN-125 JINR-279 JIN-014 JIN-011 JINR-255 JIN-134 JIN-177 JIN-175 JIN-273 JIN-255 JIN-261 JIN-264 JIN-154 JINR-189 JIN-280 JIN-265 JIN-188 JIN-123 JIN-178 JIN-120 JIN-213 JINR-136 JINR-014 JIN-202 JINR-254 JIN-212 JIN-225 JIN-224 JIN-204 JIN-300 JINR-203 JIN-138 JIN-251 JIN-223 JINR-252 JIN-209 JIN-187 JIN-222 JIN-199 JIN-200 JIN-121 JIN-211 JIN-214 JIN-181 JIN-182 JIN-281 JIN-208 JIN-210 JIN-263 JINR-220 JIN-217 JIN-216 JIN-207 JIN-205 JIN-183 JIN-266 JIN-206 JIN-185 JIN-282 JIN-260 JIN-218 JIN-259 JIN-262 JIN-198 JIN-133 JIN-283 JIN-201 JIN-219 JIN-215 JIN-184 JIN-179

West Angelas Rd

LEGEND

- Survey Area
- Local Road
- Rail

Site Type

Phase 1 and 2
- Quadrat

Phase 1 Dry Only
- Quadrat

- Relevé

Phase 2 Wet Only
- Quadrat
- Relevé

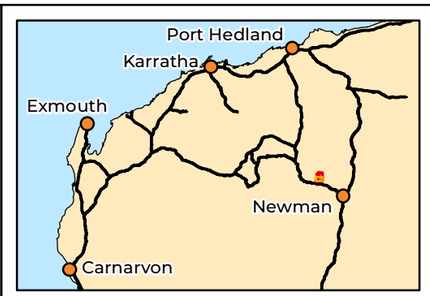
Traverse
- Trip 1 Phase 1 Dry
- Trip 2 Phase 1 Dry
- Trip 3 Phase 2 Wet
- Trip 4 Phase 2 Wet

Biologic

Scale 1:56,100

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



BHP WAIO

Jinidi Detailed Flora and Vegetation Survey

Figure 4.2b: Flora sample sites and traverses

Significant Vegetation

Where possible, significant vegetation occurring within the Survey Area was adequately sampled by floristic sample sites (quadrats) (see Section 4.1.3). However, if significant vegetation was represented as isolated, small occurrences in the Survey Area (i.e., not large enough to allow for quadrat establishment), a central GPS coordinate was taken for the occurrence followed by the establishment of a detailed relevé (unbounded site). The occurrence boundary was then mapped utilising GPS track logs and/or additional GPS points (vegetation mapping notes) marked at regular intervals along the occurrence boundary. Information collected at each occurrence comprised that which of which is collected at floristic sample sites, plus anything else relevant to significant vegetation as per EPA (2016b) guidance (e.g., landform and habitat scale, heterogeneity, and rarity, relevant PEC/ TEC assessment (if applicable) etc.).

Introduced Flora

Whilst completing the field survey, any observations of introduced flora taxa were recorded, with a particular focus on substantial infestations and significant environmental weeds. Significant environmental weeds refer to any plant listed as WoNS or as DPs listed under Section 12 and Section 22 of the BAM Act. When introduced flora taxa were identified, a GPS coordinate of the individual was taken when occurring in isolation, or a central GPS coordinate was taken for an infestation (central coordinate with an approximate 20 m radius). Information collected at each location comprised:

- Number of individuals (count or estimate), including an approximate area of infestation (if applicable);
- Photographs; and
- Any comments regarding vegetation condition.

4.1.3.3 Access Restrictions

Several areas are defined as registered DAA sites and Heritage Exclusion Zones in the Survey Area, many of which were defined and/or amended and adjusted during this survey's timeline by the Nyiyaparli People and BHP WAIO (Figure 2.6). The large and notable access restrictions for portions of the Survey Area were as follows:

- Access was not permitted for the central portion of Roundtop Hill (this area was not surveyed and totals 1,079 ha). This area contained the largest exposed rocky ironstone slopes and summits in the Survey Area, along with the largest and most deeply incised gorges and gullies conducive for a range of significant flora species (see Review of Occurrence Assessment, section 4.2.3.2) and likely additional different vegetation assemblages;

- Access was permitted to portions of the mid slopes of Roundtop Hill during dry-season sampling only (sampled once only during the dry-season, access not permitted during the wet-season). A total of 10 quadrats established in the dry season were not re-sampled during the wet season surveys in this portion;
- Access to the large calcrete surface expression area (adjacent Weeli Wolli Creek and Roundtop Hill) was permitted during dry-season sampling only (access not permitted during the wet-season). A total of 11 quadrats sites established in this area in the dry season were not re-sampled during the wet-season survey. Consequently, the potential germination, and thus identification, of any unique ephemeral significant taxa with potential to occur in this habitat (e.g., *Kohautia australiensis* (P2)) could not have their presence or absence confirmed during the survey as a result (see Review of Occurrence Assessment, section 4.2.3.2); and
- Access was permitted to portions of Weeli Wolli Creek during the wet-season sampling only (access not permitted during the dry-season).

4.1.4 Nomenclature & Specimen Identification

Flora nomenclature used in this report is consistent with the Western Australian Herbarium's plant census, provided on Florabase (WAH, 1998 -). All species nomenclature is current at the time of report preparation.

Specimens were identified by taxonomists and supported by Biologic botanical personnel (Table 4.1) using the appropriate taxonomic information and keys, the Western Australian reference herbarium and, where required, relevant taxonomic experts at the WAH. Significant and/or novel flora taxa specimens, or new flora for the region (particularly introduced flora taxa new to the region/subregion), were submitted to the WAH for formal identification (WAH, 2015). Two batches were sent for formal identification by WAH expert taxonomist Michael Hislop: ACC/10604/E (visits 1 and 2) returned on 04/01/2024 and ACC/10865/E (visits 3 and 4) returned on 29/05/2024 (Appendix H).

4.1.5 Floristic Data Analysis

All statistics were carried out using R version 4.4.0 (R Core Team, 2024).

4.1.5.1 Data Transformation & Reconciliation

During the survey, flora taxa were recorded using an estimate of foliage cover of each species within each quadrat. Following the survey, the flora taxa list was reconciled to amalgamate selected taxa, e.g., varieties of the same species (e.g., *Acacia pyrifolia* var. *morrisonii* and *Acacia pyrifolia* var. *pyrifolia*). The full reconciled species list used in the statistical analyses is provided in Appendix I (443 species reconciled from a total of 568). During reconciliation of the dataset, weeds (20 in total, see section 4.2.3.4), tentative genus identifications (i.e.,

Aristida sp. indet and *Corchorus* sp. indet) and other unconfirmed taxa were removed. Tentative species identifications were grouped with confirmed taxa of the same name (i.e., *Eriachne* ?*tenuiculmis* and *Eriachne tenuiculmis*). However, if a tentative species had no confirmed taxa and was the only observation of that family/ genus, these were included in the analysis (i.e., *Marsilea* ?*hirsuta*). The minimum species richness across the quadrats was nine (the lowest being JIN-009, a calcrete site which was only sampled once in the dry-season due to access restrictions). All quadrats were included in the analyses. Relevé sites were excluded from the analyses as records were only sampled during one phase. The dataset comprised 443 reconciled flora taxa from 199 quadrats (Appendix G).

4.1.5.2 Hierarchical Clustering

To allow for disparity in cover between different strata, the cover values were standardised using a square root transformation. Singletons (taxa which were only recorded once) were removed from the dataset. Several permutations of the analysis were undertaken with and without annual taxa and it was determined that the grouping of sites was most useful when annual taxa were excluded. As such, the annual taxa were excluded from the analysis. The cover code values for the floristic data recorded for each quadrat were compiled in R before a resemblance matrix and dendrogram were created. Vegetation units were based on the combined data from both survey seasons. The similarity testing was undertaken using the Bray Curtis coefficient. Vegetation units were defined based on 40–80 % similarity and distinguished visually in a dendrogram based on a Similarity Profile Test (SIMPROF) cluster analysis. The dendrogram output used for the final vegetation type grouping is presented in Appendix J.

4.1.5.3 Species Accumulation Curve

The species accumulation curve is a statistical tool that gives the expected number of species observed in a given survey. This is used in detailed surveys to indicate sampling effort and as an indicator that the number of species observed is approaching the number expected for the Survey Area and type. If there is a substantial difference in number of species observed to that estimated by the curve, or if the curve does not approach asymptote (start to flatten), discussion around survey effort and adequacy is encouraged.

Species accumulation curves were plotted using Sobs, Chao 1, Jacknife 1, Bootstrap and in R Studio to determine the adequacy of the survey. The species by site matrix for this analysis used the reconciled species list, whereas the total confirmed taxa from the flora composition was used to create the species by site matrix using non-reconciled confirmed flora taxa (Appendix K). When a curve approaches an asymptote, it suggests that sampling effort has been sufficient to adequately collect the species comprising the floral assemblage at the locations sampled (Thompson & Withers, 2003). The value at which the curve asymptotes can

also be used as an approximate measure of the total size of the species complement at that location (Thompson *et al.*, 2003).

4.1.6 Vegetation Mapping

4.1.6.1 Vegetation Types

Broad vegetation mapping was conducted in the field and involved ground-truthing of any relevant existing mapping where appropriate. Site photographs and full descriptions were taken at each sampling site to support the vegetation mapping. Following the completion of field sampling and taxonomic identifications, statistical analyses were conducted to group quadrats that had similar flora composition/ cover. Aerial imagery from various sources assisted in delineating vegetation unit boundaries, including fine scale aerial imagery (50 cm ECW files) provided by BHP WAIO, regional imagery (Landgate, 2021), and Google Earth imagery (Google Earth, 2023). The vegetation type mapping was created at a scale of 1:20,000 and digitised using Geographic Information Systems (GIS) software.

The current nationally adopted classification system for vegetation descriptions is the National Vegetation Information System (NVIS) (NVIS Technical Working Group, 2017) (definition in Appendix L). NVIS seeks to manage national vegetation data to help improve vegetation planning and management within Australia including standardising scale and technical wording for vegetation associations. The vegetation types in the Survey Area have been described to at least Level 5 (vegetation association) or above, in the (NVIS) hierarchical structure (NVIS Technical Working Group, 2017). The vegetation structure information collected was used to describe the vegetation type based on the dominant taxa, foliage cover and height of the three traditional strata (upper, mid and lower/ground) which followed BHP guidance (BHP, 2018).

The mapping reliability was completed to the level expected from a detailed survey. Overall, a combination of aerial imagery, floristic sample site data, field observations, statistical analyses (hierarchical clustering) and historical vegetation mapping were used to guide vegetation mapping and description of the vegetation types, which is consistent with the technical guidance (EPA, 2016b).

4.1.6.2 Vegetation Condition

Vegetation condition was defined within the Survey Area using the vegetation condition scale for the Eremaean Botanical Province in EPA (2016b), which has been adapted from Keighery (1994) and Trudgen (1988) (Appendix M). Condition was recorded at each sample site, while additional notes and observation records (e.g., vegetation mapping notes) were taken while traversing the Survey Area to broadly map vegetation condition boundaries. The vegetation condition mapping was then digitised using GIS software.

4.1.7 Review of Assessment of Occurrence for Significant Flora

Significant flora species identified in the desktop assessment were assessed for their likelihood of occurrence in the Survey Area pre-survey (Section 3.1.3). Following the field assessment, ground-truthing of existing significant flora records and presence of potential habitat is reviewed to revise the occurrence assessment per taxon post-survey.

The detailed survey results present a summary of the revised occurrence assessment in Section 4.2.3.2. The full details of the preliminary (pre-survey) and revised (post-survey) occurrence assessment is presented in Appendix E.

4.1.8 Significance Assessment of Vegetation

Significance rankings were assigned to vegetation communities using the following definitions presented in the significance assessment decision matrix (Appendix N). The vegetation units mapped and described within the Survey Area were assessed against definitions presented in this matrix, which ranks vegetation units based on whether the unit supports significant environmental values, including, but not limited to:

- Conservation significant ecological communities (TECs and PECs);
- Conservation significant listed flora (Threatened and Priority);
- Flora and vegetation of "Other" significance as defined in Sections 3.2 and 11 of EPA (2016b) (Appendix A);
- Aquatic and terrestrial GDE;
- Formal conservation estates (i.e., National Park);
- Groundwater-dependent vegetation (GDV) and ecosystems (GDE);
- Major drainage features (i.e., Weeli Wolli Creek);
- Ecosystems at Risk (EAR), as defined by Kendrick (2003);
- Sheet-flow Dependent Ecosystems (sometimes referred to as Overland Flow Dependent Ecosystems); and
- Any other values deemed unusual, rare, restricted, refugial, or potentially significant based on field observations.

It is noted that the decision matrix is not intended to be overly prescriptive. It is acknowledged that there may be additional detail and knowledge on a feature which is not discussed or detailed in the matrix. This additional detail/ knowledge may need to be further discussed/explored in the context of features and where they sit in the hierarchy. This flexibility in the decision matrix allows room for the significance rankings to be applied differently with respect to the on-ground observations and features.

4.1.9 Determination of Significant Environmental Values

As detailed above, the significance assessment decision matrix relies on the presence of significant environmental values to determine the significance ranking of each vegetation unit. Each of the vegetation units described and mapped during the survey, was assessed to determine if the units are representative or support key significant environmental values. Each vegetation unit was visualised on a Geographic Information System platform (QGIS) with the following environmental layers and datasets:

- Department of Biodiversity, Conservation and Attractions (DBCA) Threatened and Priority Listed flora database (DBCA, 2023e) ;
- DBCA Threatened and Priority Listed ecological communities database (DBCA, 2023d);
- Significant flora and vegetation identified from the Survey Area;
- BHP WAIO's database; and
- DBCA managed lands and waters (i.e., National Parks, Nature Reserves).

In addition to the above databases and spatial datasets, the vegetation type assemblages and descriptions were reviewed to determine the presence of key phreatophytic or riparian flora, suggesting the presence of GDVs. The vegetation descriptions for each type were also reviewed in association with recent aerial imagery to identify significant landform features, including major and/or medium drainage lines, surface water pools or restricted landforms.

Finally, the vegetation descriptions, aerial imagery and broad landforms across the Survey Area were reviewed against the Ecosystems at Risk (EAR) detailed in Kendrick (2003) for the Hamersley subregion, which also include Sheet-flow Dependent Ecosystems (mulga banding and groving). EAR are ecosystems originally identified in the Pilbara bioregion as being vulnerable to human-induced threats such as cattle grazing, weed ingress and water shadow from linear infrastructure, but have no formal conservation listing. No further review of this work has been completed since 2003; as such, there is limited information available as to the current level of significance of EAR. This review considers EAR that have no other formal conservation listings (i.e., those that are not also listed as TECs and PECs) and that are outlined in the "Other ecosystems at risk" table in Kendrick (2003). For this reason, Ecosystems at Risk are encompassed in "Vegetation of Other Significance" in this report (EPA, 2016a, 2016b).

Estimation is often required for determining the presence of Ecosystems at Risk as supporting information is limited in Kendrick (2003). The relevant Ecosystems at Risk from Kendrick (2003) that could be present in the Survey Area include:

- *Grove/inter-grove mulga, eastern Hamersley Range;
- **Valley floor mulga;

- **Lower-slope mulga;
- Hill-top floras, Hamersley Range;
- All major ephemeral water courses; and
- Wetland community, Weeli Wolli Spring.

*Also represent Sheet-flow Dependent Ecosystems (mulga banding and groving)

**Pertinent to, but not definitely representative of, Sheet-flow Dependent Ecosystems (mulga banding and groving).

4.2 Results

4.2.1 Survey Adequacy

A total of 233 sample sites (199 quadrats, 34 relevés) were sampled across the Survey Area (21,462 ha), totalling 0.011 sites sampled per hectare of native vegetation, or approximately 1 quadrat per km^2. Removing the cleared/rehabilitated disturbance layer (758 ha) and the areas not sampled due to heritage restrictions (i.e. Roundtop Hill; 1,079 ha), the number of sites sampled per hectare is 0.012. With the exception of D01 (one quadrat) and D02 (two quadrats), all vegetation types were subject to sampling of at least three quadrats. Vegetation types D01 and D02 are both smaller mapped areas (9.7 ha and 82.4 ha respectively), have been extensively surveyed and mapped by numerous previous surveys (Table 3.2), and are well-understood vegetation types to Biologic due to the presence and ongoing monitoring of quadrats for the Weeli Wolli Creek Riparian Vegetation Health Monitoring program (Biologic, 2023b, 2023c, 2023d, 2023e).

Survey intensity can vary considerably between different projects and regions, depending on the diversity of the vegetation, heterogeneity within vegetation units, the size of the vegetation units, and overall size of the survey area (EPA, 2016b). Generally, the larger the survey area the lower the number of sample sites per hectare (Table 4.2) due to several factors, including diminishing returns of flora and vegetation diversity, access restrictions, time constraints etc.

The sampling intensity of this survey is consistent with the flora and vegetation surveys reviewed in the desktop assessment, ranging from 0.008 to 0.044 sites per hectare (Table 4.2). Not all the reports reviewed in the desktop assessment are included in Table 4.2 due to survey type (i.e., Reconnaissance, Targeted etc.) and missing information in the reports (i.e., size of Survey Areas, number of sample sites etc.).

Table 4.2: Survey intensity and effort comparison

Survey	Survey Area Size (ha)	Confirmed Taxa Recorded	No. of Sites	Sites / ha
Onshore and Biologic (2009)	2,490	290	112	0.044
ENV (2009)	3,694	286	88	0.024
ENV (2010b)	17,642	371	324	0.018
Onshore (2011)	29,411	479	510	0.017
Current survey (excluding unsurveyed and cleared areas)	**19,625**	**492**	**233**	**0.012**
Astron (2010)	2,181	91	27	0.012
Onshore (2012d)	18,627	386	220	0.012
Current survey	**21,462**	**492**	**233**	**0.011**
Woodman (2010)	19,020	379	203	0.011
Astron (2019)	10,818	411	99	0.009
Biota (2012b)	8,588	453	75	0.009
Biologic (2023a)	25,563	516	200	0.008

The species accumulation curve produces a curve that steadily increases, with estimators starting to plateau (Figure 4.3). Richness estimators indicated that the survey was approximately 86.9 % (Chao 1) to 83.9 % (Bootstrap) adequate, with an observed value of 443 flora taxa (confirmed native vascular flora taxa recorded from quadrats and reconciled for statistical analysis; Appendix I) (Table 4.3). The survey adequacy increases when relevé and opportunistic observations (not observed from the quadrats) are included in the assessment (492 total confirmed species, Table 4.3). The estimators suggest that up to 100% (Bootstrap based on 492 confirmed flora taxa) of the flora potentially present within the Survey Area, has been recorded by Biologic (Table 4.11), while the other treatments estimate above 93 %. For the purposes of a detailed survey, survey effort is considered to be adequate.

Table 4.3: Expected native species richness for the Survey Area

Treatment	Results	Richness Estimates	
		Based on reconciled species (443)	Based on confirmed total species (492)
Chao 1	508.6 ± 18.9	86.9 %	96.7 %
Jacknife 1	526.6 ± 17.1	83.9 %	93.4 %
Bootstrap	482.6 ± 10.7	91.6 %	100 %
SOBS^	443		

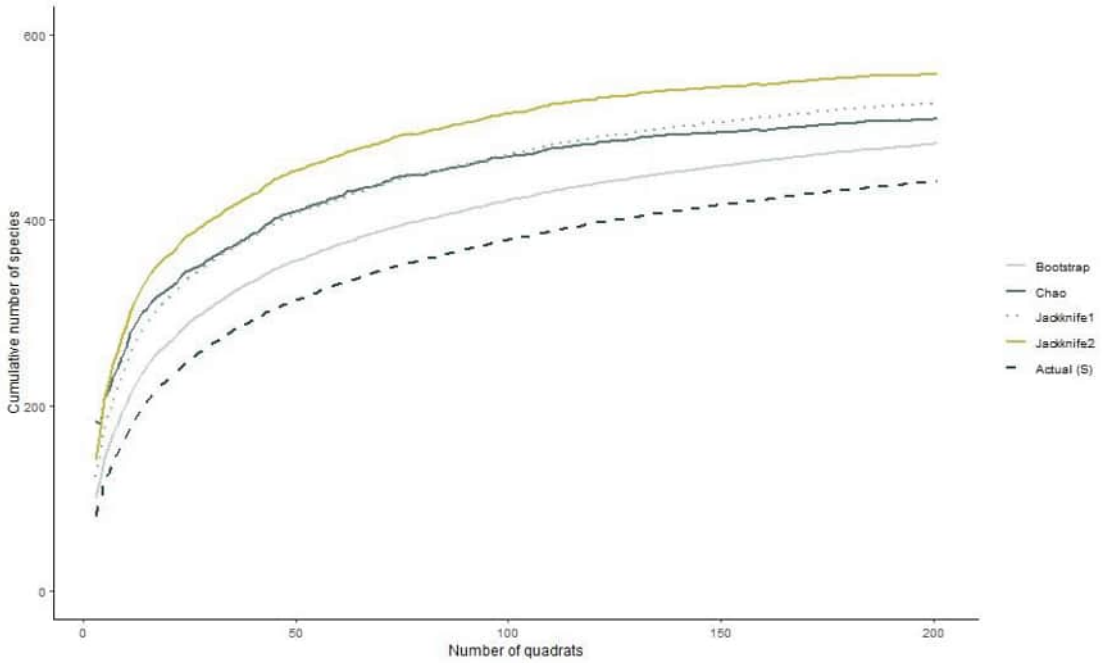


Figure 4.3: Species accumulation curve for the current survey

4.2.2 Constraints & Limitations

The EPA (2016b) outlines several potential limitations to flora surveys. These aspects are assessed and discussed in Table 4.4.

Table 4.4: Survey limitations and constraints

Potential limitation or constraint	Constraint	Applicability to this survey
Availability of data and information	No	A sufficient amount of survey work has been undertaken within the Jinidi Project Area and in the wider local area and surrounding subregion (Table 3.2), and most of these previous survey reports were available for review during the completion of this survey report.
Competency/ experience of the survey team, including experience in the bioregion surveyed	No	Each survey visit was led by Samuel Coultas, a Senior Botanist with over ten years' experience. Each field team of two contained at least one botanist who met the minimum five years' experience to manage a flora and vegetation field survey/team in the Pilbara bioregion (EPA, 2016b).
Proportion of flora recorded/collected and any identification issues	No	The survey intensity (Detailed) was designed to capture as many of the flora taxa present in the Survey Area as possible during field visits and sampling. A number of taxa (80 taxa or 13 % of the total taxa recorded) collected from the field were difficult to confidently identify to species or infraspecies level; a relatively low number of taxa when compared to total taxa recorded (572). The total number of taxa (572) were recorded from four separate field visits across wet- (2024) and dry (2023) seasons. Species accumulation curves suggest that the survey captured up to 100 % of the expected native species richness and is considered adequate.

Potential limitation or constraint	Constraint	Applicability to this survey
Timing, weather, and season	No	The survey captured data across two seasons from four separate visits. Wet-season surveys were completed in line with the survey timing recommended for the Eremaean botanical province (March–June) (EPA, 2016b). Weather conditions prior to, and during, the wet- and dry-season visits were consistent with usual seasonal patterns for the time of year, with above average rainfall received in the 3 months prior to the wet-season visits.
Disturbance that may have affected results, e.g., fire, flood	No	Recent fire in large sections of the Survey Area made ground-truthing the vegetation type and extent sub-optimal. The most recent fire was estimated in the field at ~3-5 years, but noted upon review of NAFI (2024) to be 6 years (November 2017). However, with historic aerial imagery available, and utilising the desktop results, vegetation types could be extrapolated from the available data. No other disturbances (historical, recent or during the survey) affected the field teams' ability to complete the survey adequately.
Appropriate area fully surveyed (effort & extent)	No	A two-season detailed flora and vegetation survey consisting of the establishment and sampling of 233 sample sites (199 quadrats, 34 relevés) across 19,625 ha (0.012 sites per hectare of native vegetation that could be accessed and surveyed at any point during the assessment) was undertaken across the Survey Area. Two eight-day visits per season were completed utilising 17 Biologic personnel to complete the surveys, flora identifications, data analysis and reporting. The survey may be used to inform future environmental approvals across the Survey Area. The sampling methods and survey intensity was appropriate to achieve the scope of the survey.
Access restrictions within the Survey Area	Yes	A number of areas are defined as registered DAA sites and Heritage Exclusion Zones in the Jinidi Survey Area, many of which were defined and/or amended and adjusted during this survey's timeline by the Nyiyaparli People and BHP WAIO. The largest and most notable access restrictions regarding heritage for portions of the Survey Area were as follows: • Access was not permitted for the central portion of Roundtop Hill (this area was not surveyed and totals 1,079 ha); • Access was permitted to portions of the mid slopes of Roundtop Hill during dry-season sampling only (sampled once only in dry-season, access not permitted during the wet-season); • Access to the large calcrete area (adjacent Weeli Wolli Creek and Roundtop Hill) was permitted during dry-season sampling only ((sampled once only in dry-season, access not permitted during the wet-season); and

Potential limitation or constraint	Constraint	Applicability to this survey
		• Access was permitted to portions of Weeli Wolli Creek during the wet-season sampling only (sampled once only in wet-season, access not permitted during the dry-season). Other than heritage restricted areas, access was sufficient for the purposes of the survey. Track access covered the majority of the Survey Area, and track conditions were generally favourable throughout. Remote areas (considered as areas >1 km from vehicle tracks), particularly in the far north and northeast of the Survey Area and steep terrain, were surveyed utilising helicopters.
Problems with data and analysis, including sampling bias	No	No limitations with data collection and/or analysis were encountered during the field survey or during subsequent analyses.

4.2.3 Flora

4.2.3.1 Flora Composition

A total of 492 confirmed vascular flora taxa (including putative hybrids), representing 186 genera from 56 families were recorded within the Survey Area during the field surveys. The full species list (Appendix K) includes all taxa found during the assessment (572), including 80 unconfirmed taxa, 472 confirmed native flora taxa and 20 confirmed introduced flora taxa (Appendix K). This list contains flora and vegetation data collected by Biologic for BHP WAIO's Weeli Wolli tree and riparian vegetation health monitoring which occurs within the Jinidi Survey Area. The data and locations of significant flora (conservation significant listed, mesophytic/hydrophytic taxa, rare and/or novel taxa etc.) and weeds have been included for additional context.

The most species diverse families were Fabaceae, Poaceae, Malvaceae and Amaranthaceae, together making up approximately half, 50.7%, of the confirmed total flora (19.3%, 16.7%, 10% and 4.7% respectively). The most represented genera were *Acacia* (9.1%), followed by *Senna* (4.3%), *Eremophila* (3.9%), *Sida* (3.3%) and *Ptilotus* (2.6%) with a combined total of 23.2% of total confirmed flora (Table 4.5).

Table 4.5: Species diversity in the Survey Area

Classification	Taxa Count	Classification	Taxa Count
Most species rich families		**Most species rich genera**	
Fabaceae	95 taxa from 17 genera	*Acacia* (Fabaceae)	45 taxa
Poaceae	82 taxa from 33 genera	*Senna* (Fabaceae)	21 taxa
Malvaceae	49 taxa from 12 genera	*Eremophila* (Scrophulariaceae)	19 taxa
Amaranthaceae	23 taxa from 6 genera	*Sida* (Malvaceae)	16 taxa
		Ptilotus (Amaranthaceae)	13 taxa

All records were able to be confirmed to at least genus level by a taxonomist. However, 80 records were unable to be confidently confirmed to species level due to insufficient/ poor identifying material as indicated with a "?" (48 records) or "sp. indet" (32 records) (Appendix K). All 48 queried specimens have subsequent confirmed species in the overall flora taxa list (e.g., *Abutilon* ?*lepidum* and *Abutilon lepidum*), except for the three taxa without confirmed counterparts (*Euploca* ?*cunninghamii*, *Senna* ?*pleurocarpa*, *Marsilea* ?*hirsuta*), but all counterparts of which are common across the Survey Area and surrounds (WAH, 1998 -) and are expected to occur in the Survey Area. These 48 taxa are considered likely to represent confirmed records within the Survey Area of the same genus and species.

One taxon, *Grevillea* sp. (?*saxicola*), potentially represents a new taxon and is treated as a separate confirmed taxon for the purpose of this survey. This is considered to represent a taxon of special interest (see section 4.2.3.3).

A breakdown of taxa recorded per site is presented in a site by species matrix in Appendix G.

4.2.3.2 Significant Flora

Threatened Flora

No Threatened flora, listed under the BC Act or the EPBC Act, were recorded from the Survey Area by this survey.

Priority Flora

Seventeen confirmed and one unconfirmed (species level) Priority flora taxa were recorded in the Survey Area by this survey. Details on the point locations and individuals observed for each of the Priority flora taxa is presented in Table 4.6, with locations mapped on Figure 4.4, and taxon profiles (location/s in the survey area, images, current taxonomy, currently held records etc.) presented in Table 4.7. The unconfirmed *Grevillea* sp. (?*saxicola*) flora taxon of significance is treated by its corresponding confirmed conservation code listing (P3) as a precautionary approach. More details on this specimen are available in section 4.2.3.3.

Table 4.6: Summary of Priority Flora recorded from the Survey Area

Taxon	Individuals total	Locations total	WAH records
Acacia bromilowiana (P4)	25	1	30
Acacia subtiliformis (P3)	3,263	10	24
Aristida lazaridis (P3)	5	1	25
Cladium procerum (P2)	72*	4*	15
Eremophila naaykensii (P3)	835	30	22
Fimbristylis sieberiana (P3)	750*	9*	29
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	122	12	53

Taxon	Individuals total	Locations total	WAH records
Grevillea saxicola (P3)	424	36	38
Grevillea sp. (?*saxicola*) (P3)	1	1	-
Gymnanthera cunninghamii (P3)	88	7	43
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)	657	19	28
Indigofera gilesii (P3)	260	19	39
Lepidium catapycnon (P4)	327	77	39
Oxalis sp. Pilbara (M.E. Trudgen 12725) (P3)	164	9	15
Rhagodia sp. Hamersley (M. Trudgen 17794) (P3)	6	4	75
Rostellularia adscendens var. *latifolia* (P3)	28*	3*	47
Stylidium weeliwolli (P3)	311*	6*	29
Triodia sp. Mt Ella (M.E. Trudgen 12739*)* (P3)	2,220	30	40

* = Includes individuals and locations from Weeli Wolli Riparian Vegetation Health Monitoring quadrats (100 m^2) and opportunistic records overlapping the Jinidi Survey Area (Biologic, 2023c).

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736000

7464000

7458000

Significant Flora

Priority 2

- *Cladium procerum*
- *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708)

Priority 3

- *Acacia subtiliformis*
- *Eremophila naaykensii*
- *Fimbristylis sieberiana*
- *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727)
- *Gymnanthera cunninghamii*
- *Indigofera gilesii*
- *Rostellularia adscendens* var. *latifolia*
- *Stylidium weeliwolli*
- *Triodia* sp. Mt Ella (M.E. Trudgen 12739)

Priority 4

- *Lepidium catapycnon*

*includes data from separate Weeli Wolli Spring monitoring program

LEGEND

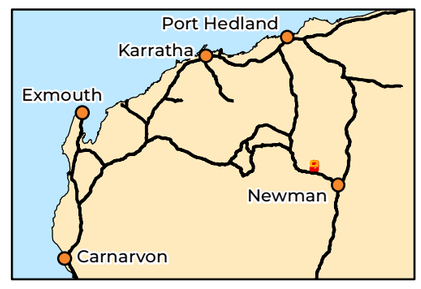
- Survey Area

Biologic

Scale 1:56,200

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



BHP WAIO

Jinidi Detailed Flora and Vegetation Survey

Figure 4.4a: Signficant flora recorded in the Survey Area

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Significant Flora

Priority 2

- *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708)

Priority 3

- *Aristida lazaridis*
- *Eremophila naaykensii*
- *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727)
- *Grevillea saxicola*
- *Grevillea* sp. (?*saxicola*)
- *Indigofera gilesii*
- *Oxalis* sp. Pilbara (M.E. Trudgen 12725)
- *Rhagodia* sp. Hamersley (M. Trudgen 17794)
- *Triodia* sp. Mt Ella (M.E. Trudgen 12739)

Priority 4

- *Acacia bromilowiana*
- *Lepidium catapycnon*

*includes data from separate Weeli Wolli Spring monitoring program

West Angelas Rd

LEGEND

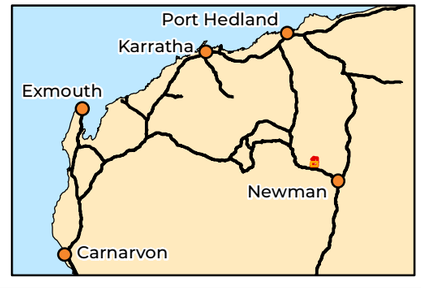
- Survey Area
- Local Road
- Rail

Biologic

Scale 1:56,200

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 4.4b: Signficant flora recorded in the Survey Area

Table 4.7: Significant flora recorded in the Survey Area

Description	Habitat	Records from survey	Representative floristic material / habit and/or habitat
Priority 2			
Cladium procerum A large, densely tufted, clumping perennial, grass-like sedge growing to 2 m, (WAH, 1998 -). It produces numerous nodding inflorescences, but often reproduces by asexual bulbils on older inflorescences (Rio Tinto & WAH, 2015).	*Cladium procerum* is common across most of the coastal areas of eastern Australia (except for most of Cape York), with a few known records in East Timor, Papua New Guinea and New Caledonia internationally (ALA, 2023). However, it is extremely restricted and uncommon in Western Australia, contained entirely within the Pilbara region, occurring sporadically from Weeli Wolli Creek in the southeast, through to Karijini in the centre and to Millstream Chichester National Park in the northwest (WAH, 1998 -). *Cladium procerum* (P2) is a key component of the 'Riparian flora and plant communities of springs and river pools with high water permanence of the Pilbara Region' (P2) PEC, and the 'Weeli Wolli Spring' (P1) PEC unique sedgeland floral assemblage (DBCA, 2022; van Leeuwen, 2009).	This taxon was recorded along Weeli Wolli Creek in the north-western section of the Survey Area. Records of *C. procerum* were also located during Biologic's monitoring of Weeli Wolli Creek (Biologic, 2023b), part of which intersects the Jinidi Survey Area. Cover ranged from 0.1 to 7% (a total of 300 individuals) within three 100 m^2 monitoring quadrats (WWM-03, 05 and 06). This taxon was recorded fringing permanent waterbodies/ perennial pools of Weeli Wolli Spring (Biologic, 2023c).	 Source: Biologic images from ongoing monitoring survey (Biologic, 2023c)
***Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708)** A large, erect, often spindly perennial shrub growing up to 3 m tall (WAH, 1998 -). It produces a large 5-petaled pale-mauve flowers with a magenta throat, typical of the genera (timing unknown) (WAH, 1998 -). The stems, branchlets and leaves are conspicuously densely covered with rusty-brown, erect, stellate hairs, giving individuals a distinct woolly texture and rusty appearance (Rio Tinto & WAH, 2015).	*Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) is known to occur in sheltered/ shaded rocky drainage lines, gullies and gorges, often below associated cliff-lines or rocky ridges of massive ironstone hills and mountain ranges across the southern Pilbara from Newman to Paraburdoo (Rio Tinto & WAH, 2015; WAH, 1998 -).	This taxon was recorded in rocky gullies and gorges associated with ironstone mountains in the northern and southwestern sections of the Survey Area in vegetation type G01.	 Source: Biologic images from current survey

Description	Habitat	Records from survey	Representative floristic material / habit and/or habitat
Priority 3			
Acacia subtiliformis A spindly, slender, single-stemmed, erect shrub, growing to 3.5 m in height (WAH, 1998 -). The new growth of this species is slightly viscid, resinous, aromatic and produces yellow flowers in June (Maslin, 2018; WAH, 1998 -).	*Acacia subtiliformis* has been recorded in low, undulating country on calcareous rises adjacent to drainage lines and is known only from the Hamersley Range; specifically the Hancock and Ophthalmia Ranges (WAH, 1998 -).	This taxon is restricted to calcrete undulating low hills located in the north-western section of the Survey Area in vegetation type H03.	 Source: Left image from: Maslin (2018), Right image Biologic
Aristida lazaridis A tufted perennial, grass-like or herb, growing to 1.5 m in height and produces green/purple flowers in April (WAH, 1998 -). The leaf blade surface of *A. lazaridis* are characteristically scaberulous, rough on both sides and panicles are loose and branching. This taxon is confined to sandy or loamy soils (Rio Tinto & WAH, 2015).	*Aristida lazaridis* is widespread and distributed in tropical Queensland, the Northern Territory and Western Australia, where it is known from the Kimberley and the Pilbara; between Newman and Karijini. (WAH, 1998 -)	This taxon was recorded opportunistically along a minor drainage line in vegetation type D04. The actual location was on an access track edge cutting through the drainage line channel.	 Source: Biologic images from current and previous Pilbara survey
Eremophila naaykensii An erect, usually dome-shaped, shrub growing to 3.5 m high (Curtis *et al.*, 2022; WAH, 1998 -). It has fibrous, grey bark with short “velvety” hairy branchlets, pale grey-green leaves with a shiny silver appearance, and resinous young leaves. It produces white-cream to pale purple flowers typical of the genus from June to October (Curtis *et al.*, 2022; WAH, 1998 -).	*Eremophila naaykensii* typically occurs on a variety of rocky ironstone hillslope landforms, often forming a mid to tall shrub layer, particularly in gully / gorge situations (Curtis *et al.*, 2022; WAH, 1998 -). Its distribution is restricted to the Pilbara and Gascoyne regions, occurring sporadically from Newman to Paraburdoo, extending north to central Karijini (WAH, 1998 -). However, observed frequency of individuals at locations can be extremely common, with numbers often in the hundreds in 50x50 m floristic sample sites.	This taxon was recorded on rocky ironstone gullies, gorges, ridges, cliffs mainly in the northern and south-western sections of the Survey Area in vegetation types G01, G02, G03, G04.	 Source: Biologic images from current and previous Pilbara survey

Description	Habitat	Records from survey	Representative floristic material / habit and/or habitat
Fimbristylis sieberiana A shortly rhizomatous tufted perennial sedge which grows up to 1 m tall ((WAH, 1998 -). It flowers between May and June, producing hairy glumes and a pale nut (Rio Tinto & WAH, 2015).	*Fimbristylis sieberiana* occurs across the northern parts of Western Australia (Pilbara and Kimberley regions), the Northern Territory and Queensland, with a few sporadic records known from inland freshwater lakes and creek systems in central South Australia and the Northern Territory, as well as subtropical Africa, and Asia (ALA, 2023; WAH, 1998 -). This taxon is a key component of the 'Riparian flora and plant communities of springs and river pools with high water permanence of the Pilbara Region' (P2) PEC, and 'Weeli Wolli Spring' (P1) PEC unique sedgeland floral assemblage (DBCA, 2022; van Leeuwen, 2009).	This taxon was recorded along Weeli Wolli Creek in the north-western section of the Survey Area. Records of this taxon were also located during Biologic's monitoring of Weeli Wolli Creek (Biologic, 2023b), part of which intersects the Jinidi Survey Area. Covers ranged from 0.1 to 25% (a total of 900 individuals) within five 100 m^2 monitoring quadrats (WWM-03, 05, 06, 19 and 22). This taxon was recorded in water-logged creek beds-in Weeli Wolli Spring (Biologic, 2023c).	 Source: Biologic images from ongoing monitoring survey (Biologic, 2023c)
***Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727)** An open, rosetted, erect annual or biennial herb to 0.2 m in height. This species produces small yellow flowers, with brown/ maroon centres, in September (WAH, 1998 -). Leaves are usually spathulate with entire margins, often with dentate margins on new growth, with an indumentum of sparse to dense simple long hairs.	*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) has been recorded exclusively from low undulating calcrete plains/ hills. This species is known to occur within the wider surrounds of the Hamersley Range (WAH, 1998 -).	This taxon is strongly linked to calcrete undulating low hills in the north-western and south-western sections of the Survey Area in vegetation types H03 and H04.	 Source: Biologic images from current and previous Pilbara survey
Grevillea saxicola An upright shrub or small tree with rough grey-black and terete to subterete leaves in cross section. This taxon grows to 7 m high and produces green/ cream flowers from late spring to early autumn (Rio Tinto & WAH, 2015; WAH, 1998 -)	*Grevillea saxicola* is known from shaded and steep upper scree/ breakaway slopes and crests, often associated with banded ironstone formation outcropping (Rio Tinto & WAH, 2015; WAH, 1998 -). However, it has on occasion been found in mulga woodlands low in the landscape (Rio Tinto & WAH, 2015; WAH, 1998 -). This taxon is restricted to the southern Pilbara from 50 km west-north-west of Newman to 40 km east of Paraburdoo.	This taxon was recorded mainly from steep, shaded slopes of south-facing cliffs dominated by mulga, where it often dominated the low tree stratum. It was occasionally found in rocky ironstone gullies, gorges and ridges separate from these mulga cliff areas. All records occur in the southern section of the Survey Area in vegetation types G01 and G04, Vegetation type G04 also supported *Grevillea* sp. (?*saxicola*) (see section 4.2.3.3).	 Source: Biologic images from current and previous Pilbara survey

Description	Habitat	Records from survey	Representative floristic material / habit and/or habitat
Gymnanthera cunninghamii An erect, woody shrub growing to 2 m high with cylindrical, glabrous stems and shiny leaves. It releases a milky latex if cut, and is conspicuously lenticellate (Rio Tinto & WAH, 2015). Leaves are simple and glabrous with a lanceolate to elliptic shape and an acute apex (Rio Tinto & WAH, 2015). It produces small cream to green yellow flowers from January to December (Rio Tinto & WAH, 2015).	*Gymnanthera cunninghamii* has been recorded growing in the surrounding areas of permanent or semi-permanent watercourses in alluvial soils. This species is widespread throughout northern Australia, and is recorded sporadically in Western Australia, from the Gascoyne, Pilbara and Kimberley (Rio Tinto & WAH, 2015; WAH, 1998 -).	This taxon was recorded in a single gorge in the northern section of the Survey Area in vegetation type G02. This gorge was deeply incised and shaded, and likely supported restricted IDE, with long continuously flowing pools and streams observed here during the wet-season surveys. One previously confirmed location occurs in Weeli Wolli Creek in D01 (found as part of the riparian vegetation health monitoring).	 Source: Biologic images from previous Pilbara survey
Indigofera gilesii A sparsely branched, open shrub, growing up to 2 m high. Leaflets are grey with small, persistent stipules. Flowers are dull dark pink with a white centre, produced from June to October (WAH, 1998 -).	*Indigofera gilesii* is typically known from boulders, gullies and outcrops/ hills on skeletal soils associated with banded ironstone formations. It has most often been recorded from the south-eastern Pilbara around Newman, Giles and Rhodes Ridge, with sporadic records from the northern Gascoyne and Central Deserts (Western Australian and Northern Territory) (WAH, 1998 -)	This taxon was recorded from rocky ironstone gullies and gorges throughout the Survey Area in vegetation types G01 and G03.	 Source: Biologic images from previous Pilbara survey
***Oxalis* sp. Pilbara (M.E. Trudgen 12725)** Small, trailing or tufted, three-leaved herb growing to 0.3 m in height Branches of this species are either erect or ascending, sometimes creeping and are sparsely to densely hairy. *Oxalis* sp. Pilbara (M.E. Trudgen 12725) produces small yellow flowers with triangular sepals (Rio Tinto & WAH, 2015). Flowering of this species has previously been recorded in May - June and September (WAH, 1998 -).	*Oxalis* sp. Pilbara (M.E. Trudgen 12725) has been found to occur in shaded areas around rock outcrops and gullies and its distribution is restricted to the southern Pilbara to the west of Newman (Rio Tinto & WAH, 2015).	This taxon was recorded from shaded rocky ironstone cliffs, gullies and gorges in the Survey Area in vegetation types G01 and G04. It was often found up against steep south-facing cliff-face bases which are likely shaded for most of the day.	 Source: Biologic images from current and previous Pilbara survey

Description	Habitat	Records from survey	Representative floristic material / habit and/or habitat
***Rhagodia* sp. Hamersley (M. Trudgen 17794)** A wispy and often scrambling shrub with small lanceolate leaves (not aromatic, unlike that of the superficially similar and co-occurring species *Rhagodia eremaea*), growing up to 4 m tall. Branches of this taxon are slender; flowers are white in colour and fruits exist as clustered red drupelets (WAH, 1998 -).	*Rhagodia* sp. Hamersley (M. Trudgen 17794) is known mainly from mulga woodlands and shrublands on cracking clays, floodplains, hardpan plains and stony plains. Records of this taxon are mainly restricted to the south-eastern Pilbara, with a few records known west of Karijini and one record known south of Newman at Kumarina (WAH, 1998 -).	This taxon was recorded always amongst mulga, from cliffs, gullies, gorges, hardpan plains and floodplains in vegetation types G04 and P03.	 Source: Biologic images from previous Pilbara survey
Rostellularia adscendens* var. *latifolia A small, spreading shrub with hairy leaves (hairs usually scattered evenly across surface), growing to 0.3 m in height (WAH, 1998 -). It produces small blue-purple-violet flowers from April to May, which are covered by conspicuous bracts.	The *Rostellularia adscendens* group (containing seven varieties and two subspecies) is cosmopolitan, occurring in parts of eastern Africa, subtropical America and across most of southern Australasia (excluding New Zealand) (ALA, 2023). However, *R.* var. *latifolia* occurs exclusively in the Pilbara region of Western Australia, occurring from Marble Bar to Paraburdoo (WAH, 1998 -). This taxon has been recorded from a variety of habitats, preferring rocky dry creek beds of major drainage lines and gullies/ gorges.	This taxon was recorded in the north-western section of the Survey Area from rocky creek beds (minor to major drainage lines) and rocky minor drainage lines amongst calcrete undulating low hills in vegetation types D01, D03, G03 andH03	 Source: Biologic images from previous Pilbara survey
Stylidium weeliwolli An annual herb growing to 0.25 m, producing small but characteristic pink trigger-plant flowers from August to September (WAH, 1998 -). This taxon's nomenclature is derived from the first location it was collected from and observed at, Weeli Wolli Creek, which also represents the type-specimen location for this taxon (Wilson et al., 1998).	*Stylidium weeliwolli* occurs exclusively in northern-central Western Australia, restricted to the Pilbara and Gascoyne regions (WAH, 1998 -). It occurs predominantly in sandy-clay soils, black mud and amongst precipitated rocky substrates along permanent watercourse edges and fringing permanently wet areas (WAH, 1998 -). This taxon is a key component of the 'Weeli Wolli Spring' (P1) PEC unique herbland floral assemblage (DBCA, 2022; van Leeuwen, 2009).	This taxon was recorded along Weeli Wolli Creek in the north-western section of the Survey Area. Records of this taxon were also located during Biologic's monitoring of Weeli Wolli Creek (Biologic, 2023b), part of which intersects the Jinidi Survey Area. A total of 500 individuals within five 100 m^2 monitoring quadrats (WWM-01, 05, 06, 19 and 22) occur within the Survey Area. This taxon was recorded fringing permanent waterbodies/ perennial pools of Weeli Wolli Spring (Biologic, 2023c).	 Source: Biologic images from ongoing monitoring survey (Biologic, 2023c)

Description	Habitat	Records from survey	Representative floristic material / habit and/or habitat
***Triodia* sp. Mt Ella (M.E. Trudgen 12739)** A resinous, perennial, hummock-forming grass growing to 0.6 m high and 1.5 m wide, producing flowers from May and August (WAH, 1998 -). This taxon superficially resembles a number of resinous species in the soft *Triodia* group, but is readily distinguished by its' copiously resinous foliage, glabrous leaf sheath surfaces, narrowly lanceolate glumes and awned lemmas (Barrett & Trudgen, 2018).	*Triodia* sp. Mt Ella (M.E. Trudgen 12739) occurs on skeletal hillslopes, ridgelines, gullies and summits of massive ironstone ranges and mountains restricted to the south-eastern Pilbara between Newman (Jimblebar) and the eastern boundary of Karijini. Singular disjunct records of this taxon occur in the north-eastern Gascoyne (Angelo River proper) and Little Sandy Desert (Rudall River, Karlamilyi National Park) regions (WAH, 1998 -).	This taxon was recorded from rocky ironstone gullies, gorges, ridges, steep upper slopes, cliffs, and hill crests in vegetation types G01, G03, G04, H01 and H05.	 Source: Biologic images from previous Pilbara survey
Priority 4			
Acacia bromilowiana A gnarled perennial tree or shrub, to 12 m high with dark grey bark and fibrous phyllodes (more or less glaucous & slightly pruinose) (WAH, 1998 -) This taxon flowers from July to August producing yellow/ pink racemose spiked inflorescences (Maslin, 2018).	*Acacia bromilowiana* occurs on red skeletal stony loam, orange-brown pebble/ gravel loam, laterite, banded ironstone soils and is most commonly found on rocky hills, breakaways, scree slopes, gorges and creek beds (WAH, 1998 -). It has mainly hilltop populations in the Hamersley Range extending from Tom Price through Ophthalmia and Hancock Ranges to Newman, and also from Balfour Downs Station (Rio Tinto & WAH, 2015).	This taxon was recorded growing in a single rocky ironstone north-facing gully in the south-western section of the Survey Area in vegetation type G01.	 Source: Left Image from: Maslin (2018), Right image Biologic
Lepidium catapycnon An open, perennial shrub, growing to 0.8 m in height. It has distinctive zigzag stems with succulent, linear terete leaves. It produces white flowers in a dense terminal raceme and is known as a pioneer fire ephemeral, typically senescing as vegetation matures (WAH, 1998 -).	*Lepidium catapycnon* is endemic to the Pilbara region and is distributed primarily across the Hamersley Ranges from Tom Price east to Newman. It prefers steep and exposed rocky ironstone hill and scree slopes, particularly areas of recent burn and/or disturbance (WAH, 1998 -).	This taxon was recorded growing on steep rocky ironstone hill slopes, crests and steep slopes of gorges and gullies across the Survey Area, preferring barer rocky areas with lower Triodia cover, in vegetation types G01, G03, G04, H01, H02, H05, H07.	 Source: Biologic images from previous Pilbara survey

Review of Occurrence Assessment

The pre-survey assessment of occurrence was reviewed post-survey (Table 4.8), with the full pre- and post-survey assessment of occurrence presented in Appendix E.

Twelve significant flora taxa were known (Confirmed) to occur in the Survey Area pre-survey. Eleven of these were observed, recorded, collected, formally identified (Appendix H), and thus Confirmed by the current survey, with a further five taxa not previously known from the Survey Area recorded by the current survey. A summary of the post-survey review of occurrence assessment for each taxon considered Confirmed, Highly Likely, Likely or Possible pre-survey, which includes detailed reasoning for the change/ no change in post-survey likelihood of occurrence, is presented in Table 4.8.

Of the 17 taxa Confirmed, Highly Likely or Likely to occur in the Survey Area pre-survey, all but two, *Isotropis parviflora* (P3) and *Ipomoea racemigera* (P3), were recorded in the Survey Area by the current survey. (Table 4.8; Appendix E). *Isotropis parviflora* (P3) is now considered "Previously Confirmed", while *Ipomoea racemigera* (P3) is still considered as Highly Likely to occur in the Survey Area post-survey. Out of the 14 taxa considered Possible pre-survey, two taxa were Confirmed post-survey (*Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3), *Acacia bromilowiana* (P4)), six taxa are still considered Possible post-survey and six taxa have been downgraded to Unlikely post-survey. All reasoning for changes in likelihoods post-survey are presented in Table 4.8.

All remaining taxa considered Unlikely or Highly Unlikely pre-survey either remained so or (for Unlikely) were downgraded further post-survey (Appendix E).

Table 4.8: Assessment of Occurrence review post-survey

Taxon	Likelihood post-survey	Reasoning for change/ no change in post-survey likelihood
Pre-survey likelihood - Confirmed		
• *Cladium procerum* (P2) • *Acacia subtiliformis* (P3) • *Fimbristylis sieberiana* (P3) • *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) • *Grevillea saxicola* (P3) • *Gymnanthera cunninghamii* (P3) • *Indigofera gilesii* (P3) • *Rostellularia adscendens* var. *latifolia* (P3) • *Stylidium weeliwolli* (P3) • *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3) • *Lepidium catapycnon* (P4)	Confirmed	Recorded within the Survey Area during current survey.
• *Isotropis parviflora* (P3)	Previously Confirmed	Not confirmed/ recorded during current survey. Multiple previous record locations visited and searched. Taxon is a small, inconspicuous herb/ sub-shrub, often requiring disturbance (e.g., fire) or favourable conditions for germination. This taxon likely occurs in the Survey Area post-survey as soil-stored seed or dormant rootstock.
Pre-survey likelihood – Highly Likely		
• *Aristida lazaridis* (P3) • *Eremophila naaykensii* (P3) • *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3)	Confirmed	Recorded within the Survey Area during current survey.

Taxon	Likelihood post-survey	Reasoning for change/ no change in post-survey likelihood
• *Ipomoea racemigera* (P3)	Highly Likely	Not recorded during current survey. However, Biologic have recorded this taxon during the Weeli Wolli Riparian Vegetation Health Monitoring surveys (Biologic, 2023c) along Weeli Wolli Creek (adjacent to and outside of the Survey Area). Additional searching during optimal timing for the taxon would be required to determine its presence in the Survey Area.
Pre-survey likelihood – Likely		
• *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)	Confirmed	Recorded within the Survey Area during current survey.
Pre-survey likelihood – Possible		
• *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3) • *Acacia bromilowiana* (P4)	Confirmed	Recorded within the Survey Area during current survey.
• *Kohautia australiensis* (P2)	Possible	Due to access restrictions, the large calcrete surface expression area in northwest of the Survey Area was inaccessible during the wet-season surveys (visits 3 and 4). This taxon occurs on, and is restricted to, similar calcrete surface expressions approximately 40 km northwest of the Survey Area, observed emerging following wet-season rain. Targeted surveys of such calcrete expressions in the Survey Area during favourable conditions is required to determine its presence.

Taxon	Likelihood post-survey	Reasoning for change/ no change in post-survey likelihood
• *Aristida jerichoensis* var. *subspinulifera* (P3)	Possible	This taxon occurs on mulga dominated floodplains, hardpan plains and claypans across the eastern Hamersley sub-region (WAH, 1998 -), often requiring favourable wet-season conditions for confident identification. The closest record of this taxon occurs only 1.6 km south of the Survey Area on mulga flats/ hardpan plains (WAH, 1998 -). A few minor occurrences of mulga dominated flats, floodplains and hardpan plains occur in the Survey Area (vegetation type P03), but widescale targeted searching was not achieved in these areas during this survey. Additional targeted searching following favourable conditions in this vegetation type would be required to determine its presence in the Survey Area.
• *Eremophila* sp. West Angelas (S. van Leeuwen 4068) (P2) • *Dampiera metallorum* (P3) • *Eremophila magnifica* subsp. *velutina* (P3) • *Eremophila magnifica* subsp. *magnifica* (P4) • *Ptilotus mollis* (P4) • *Sida* sp. Barlee Range (S. van Leeuwen 1642) (P4)		These taxa (except *Eremophila magnifica* subsp. *velutina* (P3)) occur within 18 km of the Survey Area, all preferring ironstone mountains and associated slopes, gullies, gorges, cliffs and breakaways. As a large portion of conducive habitat for these taxa remained inaccessible for the duration of the survey (Roundtop Hill), the presence or absence of these taxa in the Survey Area can't be confidently confirmed at this time.
• *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) (P2) • *Amaranthus centralis* (P3) • *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) (P3) • *Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) (P3)	Unlikely	Limited suitable habitat observed in the Survey Area.

4.2.3.3 Flora of Other Significance

The EPA (2016b) advises that flora species, subspecies, varieties, hybrids and ecotypes may be considered significant for reasons other than listing as a Threatened or Priority Flora taxa. These reasons may include, but is not limited to, range extensions, new locations, potentially undescribed species, keystone species, relic status, local endemism and anomalous features. For the purpose of this report, flora of "other" significance have been broken up into two separate categories of significance:

1. Taxa with anomalous features; and
2. Taxa representing new locations.

Based on these features combined, 17 flora taxa recorded from the Survey Area represent flora of "other" significance

Taxa with Anomalous Features

One taxon, *Grevillea* sp. (?*saxicola*), is considered significant due to anomalous features and is considered to represent taxon of special interest (Plate 4.1, Figure 4.4). One individual of this taxon was recorded at one location in the southern portion of the Survey Area, approximately 900 m north of West Angelas Rd.

At present, this specimen most closely resembles *Grevillea saxicola* (P3). However, this specimen doesn't fit well into *G. saxicola* on the available vegetative characters (M. Hislop, personal communication, 29/05/2024). It differs from typical *G. saxicola* in having uniformly simple, less hairy leaves that have distinctly striate adaxial surfaces, a very prominent pale midrib on the abaxial surface, and with a paler green aspect (M. Hislop, personal communication, 29/05/2024, Keybase (2020)). It may represent a distinct taxon at most or would change the circumscription of *G. saxicola* at the very least (M. Hislop, personal communication, 29/05/2024). Further investigation and collection of identifying material should be conducted where possible to determine its significance. At present this taxon is to be treated as Priority 3 (*Grevillea saxicola* (P3)) as a precaution until further investigations are conducted.

Taxa Representing New Locations

A total of 16 flora taxa recorded in the Survey Area by this survey represent range extensions in current known distribution (four taxa) or fill gaps in current known distribution (12 taxa) when considering the WAH database (Table 4.9) (WAH, 1998 -). The substantial number of taxa representing new locations are likely a result of a number of factors, including the low number of previous specimen lodgements in the Survey Area, the high diversity of vascular flora taxa in the area, the intensity and coverage by the current survey, and the type of survey conducted (two-season Detailed flora and vegetation survey).

Of note is the identification and observation of *Urochloa praetervisa* in the Survey Area, the record of which represents the first new record for this taxon in the Pilbara bioregion and the first record in Western Australia to occur outside of the Kimberley, representing a range extension of 641 km south-southwest of the closest known record (WAH, 1998 -). The specimen and record information (collected from JIN-133, groved mulga woodland floodplain/hardpan plain, Plate 4.2) will be vouchered/lodged with the WAH. The Biologic pressed specimen of this record and its habitat are presented in Plate 4.2.



Plate 4.1: *Grevillea* sp. (?*saxicola*) (P3) pressed specimen and collection location **Source:** Biologic.



Plate 4.2: *Urochloa praetervisa* pressed specimen and habit **Source:** Biologic.

Table 4.9: Taxa representing range extensions and locality holes

Taxon	Comments
Records represent extension of known range of the taxon	
Urochloa praetervisa	Range extension to the SSW, closest record is approx. 642 km from Survey Area. This record is the first in the Pilbara bioregion and the first record in Western Australia to occur outside the Kimberly. Recorded at one location (JIN-133).
Corchorus incanus subsp. *lithophilus*	Range extension to the SE, closest record is approx. 63 km from Survey Area. Recorded at two locations (JIN-021, JIN-030).
Ehretia saligna var. saligna	Range extension to the S, closest record is approx. 46 km from Survey Area. Recorded at one location (JIN-081).
Sida spinosa	Range extension to the E, closest record is approx. 41 km from Survey Area. Recorded at one location (JIN-210).
Records fill a gap in known distribution for the taxon	
Acacia atkinsiana	Closest WAH record is approx. 62 km W. Recorded at three locations (JIN-190, JIN-201, JIN-260).
Acacia steedmanii subsp. *borealis*	Closest WAH record is approx. 53 km W. Recorded at one location (JIN-165).
Acacia trudgeniana	Closest WAH record is approx. 48 km W. Recorded at five locations (JIN-134, JIN-143, JIN-200, JIN-163, JIN-182).
Achyranthes aspera	Closest WAH record is approx. 78 km NW. Recorded at two locations (JIN-023, JIN-192).
Carissa lanceolata	Closest WAH record is approx. 91 km N. Recorded at two locations (JIN-218, JIN-280).
Commicarpus australis	Closest WAH record is approx. 117 km W. Recorded at one location (JIN-192).
Convolvulus remotus	This taxon has a widespread distribution throughout southern and north-eastern Australia, but only 3 WAH records currently occur in the Pilbara. Record/s in the Survey Area represent a range extension from its Pilbara distribution of approx. 102 km E. Recorded at one location (JIN-175).
Cucumis argenteus	Closest WAH record is approx. 135 km E. Recorded at one location (JIN-134).
Eragrostis exigua	Closest WAH record is approx. 179 km W. Distribution for this taxon is very scattered with only four known records for the Pilbara. Recorded at one location (JIN-051).
Melaleuca bracteata	Closest WAH record is approx. 52 km NW. Recorded at one location (JIN-180).
Tinospora smilacina	Closest WAH record is approx. 83 km WNW. Recorded at one location (JIN-134). Recorded at six locations (JIN-132, JIN-021, JIN-031, JIN-116, JIN-211 and one opportunistic record).
**Euphorbia hirta*	Closest WAH record is approx. 288 km W. Not recorded during current survey; only recorded in Weeli Wolli Riparian Weeli Wolli Riparian Vegetation Health Monitoring quadrats.

* = Includes individuals and locations from Weeli Wolli Riparian Vegetation Health Monitoring quadrats (100 m^2) and opportunistic records overlapping the Jinidi Survey Area (Biologic, 2023c).

4.2.3.4 Introduced Flora

Twenty (20) introduced taxa, representing eight families, were recorded from the Survey Area (Figure 4.5; Table 4.10). None of the 20 introduced flora are listed as WoNS, listed as a DP in Western Australia under the BAM Act, or as 'Priority Alert' weeds by the DCBA Parks and Wildlife Service.

**Cenchrus ciliaris* is the dominant weed species of the Survey Area with approximately 6,022 individuals recorded from 33 locations, with preferred landforms ranging from major/medium/minor drainage lines, floodplains, mulga hardpan plains, mulga cliffs, gorges and gullies, as well as germinating in disturbed and/or cleared areas higher in the landscape but in close proximity to creeks and drainage lines. Cover of **C. ciliaris* was recorded at between 0.1% and 60% in quadrats, with most occurrences extending outside quadrat boundaries. **Cenchrus ciliaris* was a dominant understorey component of vegetation type ME EcEv AciAcor CcTtErb PlApy Cocr (Table 4.11).

The number of individuals for **Bidens bipinnata*, **Malvastrum americanum*, **Cenchrus setiger*, **Setaria verticillata* were all recorded as 100 or over in the Survey Area. The remaining 14 introduced flora taxa were present in lower numbers (from 1 – 81 individuals) and lower cover (≤ 0.1 %).

Introduced flora were distributed primarily within drainage line, floodplain, and stony plain vegetation types. These landforms are known to present more optimal habitat, due to dispersal of seeds by water movement as well as higher water availability for germination and growth (Hill *et al.*, 2005; van der Meulen & Sindel, 2008). Furthermore, infestations of weeds spread via cattle is more prevalent on the lower landforms, compared to rocky, breakaway country and large hills and ranges.

Eight introduced flora taxa, **Aerva javanica*, **Cenchrus ciliaris*, **Cenchrus setiger,* *Chloris virgata, **Cynodon dactylon*, **Echinochloa colona*, **Malvastrum americanum* and **Setaria verticillata* are rated as having a high ecological and invasiveness rating (DPIRD, 2022) (Table 4.10). One introduced taxon, **Alternanthera pungens* was not identified in the database searches (Appendix D).

724000

730000

736000

7464000

7458000

Introduced Flora

- *Aerva javanica
- *Alternanthera pungens
- *Bidens bipinnata
- *Cenchrus ciliaris
- *Cenchrus setiger
- *Cynodon dactylon
- *Datura leichhardtii
- *Echinochloa colona
- *Erigeron bonariensis
- *Euphorbia hirta
- *Lactuca serriola forma serriola
- *Malvastrum americanum
- *Melinis repens
- *Setaria verticillata
- *Solanum nigrum
- *Sonchus oleraceus
- *Tribulus terrestris

*includes data from separate Weeli Wolli Spring monitoring program

LEGEND

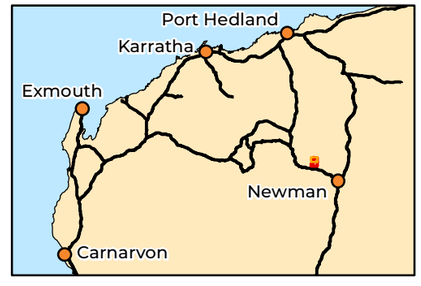
Survey Area

Biologic

Scale 1:56,200

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



BHP WAIO

Jinidi Detailed Flora and Vegetation Survey

Figure 4.5a: Introduced flora recorded in the Survey Area

724000

730000

736000

7452000

7446000

Introduced Flora

- *Bidens bipinnata
- *Cenchrus ciliaris
- *Cenchrus setiger
- *Chloris virgata
- *Malvastrum americanum
- *Setaria verticillata
- *Sigesbeckia orientalis
- *Tribulus terrestris

*includes data from separate Weeli Wolli Spring monitoring program

LEGEND

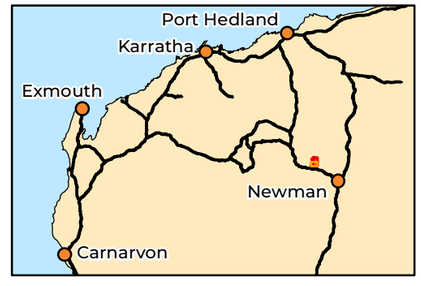
- Survey Area
- Local Road
- Rail

Biologic

Scale 1:56,200

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



BHP WAIO
Jinidi Detailed Flora and Vegetation Survey

Figure 4.5b: Introduced flora recorded in the Survey Area

Table 4.10: Introduced flora recorded in the Survey Area

Family	Taxon	Lifeform/ Habit	Impact	Invasiveness	Density and extent
Amaranthaceae	**Aerva javanica*	Perennial herb	High	Rapid	81 individuals from 6 locations
	**Alternanthera pungens*	Annual herb	Low	Slow	3 individuals from 1 location
Asteraceae	**Bidens bipinnata*		Unknown	Rapid	1,873 individuals from 34 locations
	**Erigeron bonariensis*		Not Assessed	Not Assessed	40 individuals from 4 locations
	**Lactuca serriola* forma *serriola*		Not Assessed	Not Assessed	40 individuals from 4 locations
	**Sigesbeckia orientalis*		Unknown	Rapid	7 individuals from 2 locations
	**Sonchus oleraceus*		Low	Rapid	30 individuals from 6 locations
Euphorbiaceae	**Euphorbia hirta*		Low	Slow	30 individuals from 3 locations
Malvaceae	**Malvastrum americanum*	Perennial herb	High	Rapid	138 individuals from 13 locations
Poaceae	**Cenchrus ciliaris*	Perennial grass	High	Rapid	6,022 individuals from 33 locations
	**Cenchrus setiger*		High	Rapid	313 individuals from 7 locations
	**Chloris virgata*	Annual grass	High	Rapid	10 individuals from 1 location
	**Cynodon dactylon*	Perennial grass	High	Rapid	70 individuals from 3 locations
	**Echinochloa colona*	Annual grass	High	Rapid	10 individuals from 1 location
	**Melinis repens*		Not Assessed	Not Assessed	5 individuals from 1 location
	**Setaria verticillata*		High	Rapid	100 individuals from 12 locations
Solanaceae	**Datura leichhardtii*	Annual herb	Unknown	Unknown	1 individual from 1 location
	**Solanum nigrum*	Perennial herb	Low	Rapid	10 individuals from 2 locations
Zygophyllaceae	**Tribulus terrestris*	Annual herb	Unknown	Moderate	45 individuals from 9 locations

4.2.4 Vegetation

4.2.4.1 Broad Landforms

Landform, topography, and geology are major drivers of water and nutrient availability within the Pilbara and strongly influence the patterns of vegetation found across the landscape. Vegetation type classifications have been organised by broad landforms: Drainage Lines (D), Gullies/ Gorges (G), Hills (H), Plains (P).

Four broad landforms supporting 20 vegetation types were identified and mapped within the Survey Area (Table 4.11):

- Drainage Lines – six vegetation types: D01-D06;
- Gullies/ Gorges – four vegetation types: G01-G04;
- Hills – seven vegetation types: H01-H07; and
- Plains – three vegetation types: P01-P03.

The dominant broad landform based on coverage across the Survey Area was Hills (68.6 %, 14,725 ha), followed by Gorges/ Gullies (11.2 %, 2,412 ha), Drainage Lines (5.8 %, 1,251 ha), and Plains (5.8 %, 1,237 ha) (remaining area made up of Cleared areas, Rehabilitation, and an Unsurveyed (Not Surveyed) area (Roundtop Hill)).

Hill landforms in the Survey Area ranged from massive ironstone mountains and ranges exceeding 900 m above sea level to low undulating hills. Sub-landforms include hillcrests/ summits, upper/mid/lower hillslopes, footslopes, and low undulating hills. Surface geology mainly consisted of ironstone exposed bedrock/ outcropping, boulders, stones, and gravel (hillcrests/ summits, upper/mid/lower hillslopes, footslopes of ironstone mountains, range and rounded hills – H01, H05, H06), stony and outcropping calcrete lower in the landscape (undulating low hills, foot-slopes, mid-slopes – H03, H04, H07), and stony, boulders and outcropping basalt lower in the landscape in the north of the Survey Area (undulating low hills – H02). Soils generally consisted of skeletal silty clay loams with little to no presence of coarse alluvium. Vegetation across different Hill slope positions and sub-landforms was relatively uniform, dominated by low hummock grasslands of soft (*Triodia pungens*) and/ or hard (*T. wiseana, T. angusta, T. longiceps, T. brizoides, T. vanleeuwenii*) hummock grass species. In the upper stratum; *Eucalyptus leucophloia* dominated the ironstone crests/ summits and hillslopes, *E. gamophylla* dominated the ironstone footslopes/ lower slopes, *Corymbia hamersleyana*, *E. repullulans*, *E. pilbarensis* and *E. socialis* dominated the calcretes, and *Acacia inaequilatera* dominated the low undulating basalt hills.

Gorges/ Gullies in the Survey Area intersected the hills, which occurred usually higher in the landscape and were particularly larger and more prevalent amongst the highest and biggest summits in the Survey Area. Sub-landforms of Gorges/ Gullies included gorges, gullies, minor

drainage lines, overhangs, breakaways, cliffs, and steep shaded slopes. Surface geology was mainly ironstone with skeletal soils, with considerably higher amounts of exposed bedrock, shading and large coarse colluvium (boulders and large rocks/ stones) when compared to other landforms. Vegetation of Gorges/ Gullies (G01-G04) was generally dominated by low soft hummock grasslands (*Triodia pungens*, occasionally *T.* sp. Mt Ella (M.E. Trudgen 12739) (P3)), but supported a wide variety of unique tree, shrub, and herb/ forb flora species, particularly flora taxa of significance. G04, in particular, supported species-poor understories atop litter-covered and/or bare areas of rocky ironstone scree slopes on the south-facing sides of mulga dominated cliffs.

Drainage Lines in the Survey Area either intersected Plains and Hills, or form from outflow of Gorges/ Gullies high in the landscape or broad Plains (hardpan plains, floodplains, drainage areas) lower in the landscape. Apart from Weeli Wolli Creek intersecting the Survey Area (D01, D02, D03) in the southwest and northwest, the remaining drainage lines are few and fairly minor. Several smaller watercourses dissect the Survey Area, occurring as medium drainage lines, gullies, minor drainage lines and floodplains sub-landforms (D04-D06). Surface geology mainly consisted of fine to coarse alluvium and colluvium of ironstone, calcrete and basalt. Drainage lines generally supported stony beds with sandy soils, supporting mid to low Eucalypt woodlands and forests (*Eucalyptus camaldulensis E. victrix E. xerothermica*) over tall shrubs and tussock grasses. Broader drainage area/ floodplain sub-landforms typically supported mulga woodlands on clay soils with little to no coarse rock derivatives. Weeli Wolli Creek contained damp black/brown sandy clay loams with exposed calcareous rocks, supporting Melaleuca dominated woodlands (*Melaleuca argentea*) over its' unique assemblages on diverse herbs and sedges (see section 4.2.4.3).

Plains in the Survey Area occurred at the bottom or base of Hill landforms lower in the landscape, forming a generally uniform flat layer, often either intersected by Drainage Lines or draining into them. Sub-landforms include stony plains, hardpan plains, drainage areas/ floodplains, footslopes/ lower slopes and saline flats. Surface geology consisted of ironstone surface stones and gravel (footslopes/ lower slopes, drainage areas/ floodplains, stony plains – P02), calcrete stones and outcropping (drainage areas/ floodplains, saline flats – P01) and areas void of obvious surface geology expression (hardpan plains, drainage areas/ floodplains – P03). Soils were generally clay dominated, with small amounts of fine alluvium (silt, sand). Vegetation generally consisted of low mulga woodlands on hardpan plains, low hummock grasslands of hard (*Triodia wiseana, T. angusta, T. longiceps*) hummock grass species on saline flats, and low open hummock grasslands of *T. vanleeuwenii* on rocky ironstone floodplains and flatter footslopes/ lower slopes

4.2.4.2 Vegetation Types

A total of 20 vegetation types were described and delineated in the Survey Area based on the four broad landforms (Table 4.11, Figure 4.6) and dendrogram output (Appendix J). The most common vegetation type was H05 comprising 31.4 % (6,743 ha) of the Survey Area. This vegetation type generally occupied the ironstone hills and subsequent hill sub-landforms (lower-slopes, mid-slope, upper-slopes, hillcrests/summits) highest in the landscape across the Survey Area

In addition to the 20 vegetation types described and delineated from the Survey Area, two additional units, Cleared and Rehabilitated, were mapped within the Survey Area (Table 4.11, Figure 4.6). The cleared unit contains cleared and/or disturbed areas including roads, informal tracks, infrastructure, disturbed areas not representing natural vegetation, and other areas void of vegetation from unnatural processes, while the rehabilitation unit contained disturbed and/or cleared vegetation recovering from recent rehabilitation practices (<1 year).

4.2.4.3 Significant Vegetation

Threatened Ecological Communities

No TECs were observed as occurring in the Survey Area. Prior to the field survey, the desktop assessment suggested that it was highly unlikely that any TECs would occur. The nearest occurrence of a TEC, consisting of terrestrial vegetation, is located on the north-western side of Karijini National Park, 160 km away at Hamersley Station (Themeda grasslands (*Themeda* sp. Hamersley Station (M.E. Trudgen 11431) (P3)) on cracking clays (T)).

Priority Ecological Communities

One PEC occurs within the Survey Area; Weeli Wolli Spring (P1) (Figure 4.7 and Plate 4.3). This previously mapped occurrence intersects the northwest boundary of the Survey Area, occurring along an 11 km section of Weeli Wolli Creek, 5.2 km of which intersects the Survey Area (see section 3.2.2.1).



Plate 4.3: Weeli Wolli Spring (P1) PEC within the Survey Area

Table 4.11: Vegetation types mapped in the Survey Area

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
Drainage Line				
D01 ***Melaleuca* mid woodland** **MA MaEc AtheAam CyvFisElg Tyd** *Melaleuca argentea, Eucalyptus camaldulensis* mid woodland over *Atalaya hemiglauca, Acacia ampliceps* low open woodland over *Cyperus vaginatus, Fimbristylis sieberiana* (P3), *Eleocharis geniculata* mid to low open sedgeland with *Typha domingensis* tall isolated clumps of rushes over low isolated clumps of annual herbs. On brown sandy clay loam on major drainage lines. Drainage line contains series of open calcareous rocky areas supporting permanent surface water and connecting pools	Quadrats: JIN-132, JIN-180 Weeli Wolli Monitoring Sites: WWM-01, 03, 04, 05, 06, 10, 15 17, 18 19, 20, 21, 22, 25, 26, 27, 28	82.4 ha 0.4%	**Significant flora/vegetation present:** • Supports habitat for *Cladium procerum* (P2), *Fimbristylis sieberiana* (P3), *Rostellularia adscendens* var. *latifolia* (P3) and *Stylidium weeliwolli* (P3) • Vegetation type mapped mostly within the previously mapped Weeli Wolli Spring PEC (P1) boundary, closely represents the Weeli Wolli Spring PEC (P1) • Supports significant and restricted permanent GDE • Supports an Ecosystem at Risk: Weeli Wolli Spring, major ephemeral water course	
D02 ***Eucalyptus* mid open forest** **MA Ec AtheAam GoroGosnStsp Cyv** *Eucalyptus camaldulensis* mid open forest over *Atalaya hemiglauca*, *Acacia ampliceps* low open woodland over *Gossypium robinsonii*, *G. sturtianum*, *Stylobasium spathulatum* tall open shrubland over *Cyperus vaginatus* low isolated clumps of sedges. On brown sandy clay loam on major drainage lines (dense, wet wooded areas adjacent sections of Weeli Wolli Creek, occupying raised creek banks and islands out of main channel).	Quadrats: JIN-192 Weeli Wolli Monitoring Sites: WWM-09, 11, 13, 23, 24	9.7 ha <0.1%	**Significant flora/vegetation present:** • High potential of supporting GDV/ semi-permanent GDE • Supports an Ecosystem at Risk: major ephemeral water course	

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
D03 ***Eucalyptus* mid woodland** **ME EcEv AciAcor CcTtErb PlApy Cocr** *Eucalyptus camaldulensis*, *E. victrix* mid woodland over *Acacia citrinoviridis*, *A. coriacea* low open woodland over **Cenchrus ciliaris*, *Themeda triandra*, *Eriachne benthamii* low open tussock grassland with *Petalostylis labicheoides*, *A. pyrifolia* tall sparse shrubland over *Corchorus crozophorifolius* low sparse shrubland On brown sandy clay loam on medium drainage lines (and adjacent major drainage lines, occupying dryer sections of creek bed, banks, islands and floodplains	Quadrats: JIN-007, JIN-041, JIN-175 Weeli Wolli Monitoring Sites: WWM-02, 12, 16	70.7 ha 0.3%	**Significant flora/vegetation present:** • Supports habitat for *Rostellularia adscendens* var. *latifolia* (P3) • Medium potential of supporting GDV/ semi-permanent GDE • Supports locally common IDE • Supports an Ecosystem at Risk: major ephemeral water course	
D04 ***Acacia* tall open shrubland** **MI AtPlApy ExCh ErmuTtEua AnIlsi TefcIng** *Acacia tumida*, *Petalostylis labicheoides*, *A. pyrifolia* tall open shrubland with *Eucalyptus xerothermica*, *Corymbia hamersleyana* low open woodland over *Eriachne mucronata*, *Themeda triandra*, *Eulalia aurea* low open tussock grassland with *Androcalva luteiflora*, *Isotropis iophyta* mid sparse shrubland over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186), *Indigofera georgei* low sparse shrubland On red sandy clay loam on minor and medium drainage lines low in the landscape	Quadrats: JIN-075, JIN-078, JIN-093, JIN-123, JIN-256, JIN-280 Relevés: JINR_142, JINR-257	541.1 ha 2.5%	**Significant flora/vegetation present:** Supports habitat for *Aristida lazaridis* (P3)	
D05 ***Triodia* low open hummock grassland** **FP Tp PlApyErlo TtErmuErer ExApr** *Triodia pungens* low open hummock grassland with *Petalostylis labicheoides*, *Acacia pyrifolia*, *Eremophila longifolia* tall sparse shrubland over *Themeda triandra*, *Eriachne mucronata*, *Eragrostis eriopoda* low sparse tussock grassland with *Eucalyptus xerothermica*, *Acacia pruinocarpa* low isolated trees. On red sandy loam on drainage areas/ floodplains.	Quadrats: JIN-077, JIN-090, JIN-183, JIN-187, JIN-215, JIN-258 Relevés: JINR-189	263.5 ha 1.2%	**Significant flora/vegetation present:** None	

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
D06 ***Eucalyptus* mid open woodland** **ME EvEc ExAci ErbTtEua ApyAnlGoro CocrTefc** *Eucalyptus victrix*, *E. camaldulensis* mid open woodland over *E. xerothermica*, *Acacia citrinoviridis* low open woodland over *Eriachne benthamii*, *Themeda triandra*, *Eulalia aurea* low open tussock grassland with *A. pyrifolia*, *Androcalva luteiflora*, *Gossypium robinsonii* mid to tall sparse shrubland over *Corchorus crozophorifolius*, *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low sparse shrubland. On red sandy loam on medium drainage lines	Quadrats: JIN-030, JIN-032, JIN-037, JIN-050, JIN-068, JIN-081, JIN-088, JIN-181, JIN-190, JIN-191, JIN-218 Relevés: JINR-190	283.2 ha 1.3%	**Significant flora/vegetation present:** • Low potential of supporting GDV/ semi-permanent GDE • Supports locally common IDE	
Gorge/ gully				
G01 ***Acacia* tall open shrubland** **GG AtAmAh ErmuThmb Tp Cf** *Acacia tumida*, *A. monticola*, *A. hamersleyensis* tall open shrubland over *Eriachne mucronata*, *Themeda* sp. Mt Barricade (M.E. Trudgen 2471) low open tussock grassland with *Triodia pungens* low sparse hummock grassland with *Corymbia ferriticola* low isolated trees. On skeletal red sandy clay loam on shaded ironstone gullies, gorges, cliffs and overhangs.	Quadrats: JIN-046, JIN-071, JIN-073, JIN-099, JIN-102, JIN-107, JIN-114, JIN-116, JIN-119, JIN-140, JIN-158, JIN-161, JIN-199, JIN-210, JIN-211, JIN-213, JIN-224, JIN-251, JIN-266 Relevés: JINR-254, JINR-300	775.9 ha 3.6%	**Significant flora/vegetation present:** Supports habitat for *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2), *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3), *Eremophila naaykensii* (P3), *Grevillea saxicola* (P3), *Indigofera gilesii* (P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3), *Acacia bromilowiana* (P4) and *Lepidium catapycnon* (P4)	
G02 ***Eriachne* low open tussock grassland** **GG ErbErmuThmb CfFib(Ec) ErnDopApy Tp** *Eriachne benthamii*, *E. mucronata*, *Themeda* sp. Mt Barricade (M.E. Trudgen 2471) low open tussock grassland with *Corymbia ferriticola*, *Ficus brachypoda*, and occasionally *Eucalyptus camaldulensis*, low to mid open woodland over *Eremophila naaykensii* (P3), *Dodonaea pachyneura*, *Acacia pyrifolia* mid to tall sparse shrubland over *Triodia pungens* low isolated clumps of hummock grasses. On skeletal red sandy clay loam on deeply incised ironstone gullies and gorges on the north side of Roundtop Hill.l	Quadrats: JIN-021, JIN-023, JIN-051	110.9 ha 0.5%	**Significant flora/vegetation present:** • Supports habitat for *Eremophila naaykensii* (P3) and *Gymnanthera cunninghamii* (P3) • Low potential of supporting GDV • Supports locally restricted IDE	

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
G03 ***Acacia* tall open shrubland** **MI AtGrwAm Tp ErmuTt AnlDol Ch** *Acacia tumida*, *Grevillea wickhamii*, *A. monticola* tall open shrubland over *Triodia pungens* low open hummock grassland with *Eriachne mucronata*, *Themeda triandra* low sparse tussock grassland with *Androcalva luteiflora*, *Dodonaea lanceolata* mid sparse shrubland with *Corymbia hamersleyana* low isolated trees. On red sandy clay loam on minor gullies and minor drainage lines high in the landscape.	Quadrats JIN-002, JIN-013, JIN-026, JIN-058, JIN-063, JIN-065, JIN-106, JIN-111, JIN-148, JIN-169, JIN-206, JIN-263, JIN-270, JIN-283, JIN-286 Relevés: JINR-017	1,216.8 ha 5.7%	**Significant flora/vegetation present:** Supports habitat for *Eremophila naaykensii* (P3), *Indigofera gilesii* (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3) and *Lepidium catapycnon* (P4)	
G04 ***Acacia* low woodland** **GG AcaAaGrb ErplEroSeaa Pto** *Acacia catenulata*, *A. aptaneura*, *Grevillea berryana* low woodland over *Eremophila platycalyx*, *E. oppositifolia*, *Senna artemisioides* subsp. ×*artemisioides* mid to tall isolated shrubs over *Ptilotus obovatus* low sparse shrubland over isolated clumps of annual herbs and grasses. On brown clay loam on shaded mulga-dominated ironstone cliffs, gullies, gorges and scree slopes.	Quadrats: JIN-040, JIN-096, JIN-127, JIN-134, JIN-138, JIN-167, JIN-177, JIN-195 Relevés: JINR-024, JINR-072, JINR-079, JINR-136, JINR-150, JINR-153, JINR-220	308.3 ha 1.4%	**Significant flora/vegetation present:** • Supports habitat for *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3), *Eremophila naaykensii* (P3), *Grevillea saxicola* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3), and *Lepidium catapycnon* (P4) • Vegetation type represents a novel and restricted vegetation assemblage	
Hill				
H01 ***Triodia* low hummock grassland** **HS TvTbr El Segp** *Triodia vanleeuwenii*, *T. brizoides* low hummock grassland with *Eucalyptus leucophloia* low sparse woodland over *Senna glutinosa* subsp. *pruinosa* mid isolated shrubs. On red/ orange silty clay loam on rocky laterised ironstone/ quartzite hillslopes	Quadrats: JIN-103, JIN-125, JIN-128, JIN-145, JIN-146, JIN-157 JIN-162, JIN-168, JIN-172, JIN-174, JIN-185, JIN-196, JIN-204, JIN-212, JIN-216 Relevés: JINR-014, JINR-147, JINR-193, JINR-203	1,421.3 ha 6.6%	**Significant flora/vegetation present:** Supports habitat for *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3) and *Lepidium catapycnon* (P4)	

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
H02 ***Triodia* low hummock grassland** **HS Tw Ai** *Triodia wiseana* low hummock grassland with *Acacia inaequilatera* tall sparse shrubland. On red sandy clay loam on rocky basalt low undulating hills.	Quadrats: JIN-025, JIN-031, JIN-039, JIN-049, JIN-056, JIN-066, JIN-067 Relevés: JINR-033	570.3 ha 2.7%	**Significant flora/vegetation present:** Supports habitat for *Lepidium catapycnon* (P4)	
H03 ***Triodia* low hummock grassland** **CP Tw AsubAb Ch** *Triodia wiseana* low hummock grassland with *Acacia subtiliformis* (P3) tall sparse shrubland over *A. bivenosa* mid sparse shrubland with *Corymbia hamersleyana* low isolated trees. On brown silty clay loam on calcrete low undulating hills.	Quadrats: JIN-001, JIN-009, JIN-015, JIN-080	702.3 ha 3.3%	**Significant flora/vegetation present:** Supports habitat for *Acacia subtiliformis* (P3), *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3) and *Rostellularia adscendens* var. *latifolia* (P3)	
H04 ***Triodia* low hummock grassland** **HS TwTrag Es Ab** *Triodia wiseana*, *T. angusta* low hummock grassland with *Eucalyptus socialis* low open mallee woodland over *Acacia bivenosa* mid to tall isolated shrubs. On brown clay loam on calcrete/ brown-coloured detrital low undulating hills and slopes	Quadrats: JIN-011, JIN-126, JIN-154, JIN-182, JIN-225 Relevés: JINR-126, JINR-255	313.7 ha 1.5%	**Significant flora/vegetation present:** Supports habitat for *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
H05 ***Triodia* low hummock grassland** **HS TvTwTp El AhiAadAsp Erla** *Triodia vanleeuwenii*, *T. wiseana*, *T. pungens* low hummock grassland with *Eucalyptus leucophloia* low open woodland over *Acacia hilliana*, *A. adoxa*, *A. spondylophylla* low sparse shrubland over *Eriachne lanata* low isolated tussock grasses. On red silty clay loam on rocky ironstone hills (upper slopes, mid slopes, lower slopes, hillcrests/ summits).	Quadrats: JIN-003, JIN-012, JIN-014, JIN-022, JIN-029, JIN-053, JIN-055, JIN-064, JIN-069, JIN-076, JIN-101, JIN-104, JIN-108, JIN-109, JIN-112, JIN-120, JIN-137, JIN-139, JIN-149, JIN-152, JIN-159, JIN-160, JIN-165, JIN-170, JIN-197, JIN-198, JIN-201, JIN-205, JIN-208, JIN-209, JIN-214, JIN-222, JIN-223, JIN-260, JIN-281 Relevés: JINR-070, JINR-115, JINR-118, JINR-159, JINR-171, JINR-252	6,742.6 ha 31.4%	**Significant flora/vegetation present:** • Supports habitat for *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3), *Lepidium catapycnon* (P4) • Vegetation type supports an Ecosystem at Risk: Hill-top/ Mountain top floras of the Hamersley Range (hillcrests/ summits only)	
H06 ***Triodia* low hummock grassland** **FS Tv CdEg AancApaAi Aar Ptro** *Triodia vanleeuwenii* low hummock grassland with *Corymbia deserticola*, *Eucalyptus gamophylla* low open woodland over *Acacia ancistrocarpa*, *A. pachyacra*, *A. inaequilatera* tall sparse shrubland over *A. arida* mid isolated shrubs over *Ptilotus rotundifolius* low isolated shrubs. On red silty clay loam on rocky ironstone hills lower slopes/ footslopes	Quadrats: JIN-006, JIN-019, JIN-020, JIN-036, JIN-045, JIN-048, JIN-052, JIN-062, JIN-089, JIN-091, JIN-110, JIN-121, JIN-135, JIN-136, JIN-143, JIN-151, JIN-156, JIN-163, JIN-166, JIN-178, JIN-179, JIN-200, JIN-207, JIN-259, JIN-261, JIN-262, JIN-264, JIN-273 Relevés: JINR-014, JINR-060, JINR-141, JINR-143	4,606 ha 21.5%	**Significant flora/vegetation present:** None	
H07 ***Triodia* low hummock grassland** **HS TwTrag EpEr Ab** *Triodia wiseana*, *T. angusta* low hummock grassland with *Eucalyptus pilbarensis*, *E. repullulans* low open mallee woodland over *Acacia bivenosa* tall isolated shrubs. On pale brown silty clay loam on rocky (calcrete, ironstone) upper, mid and lower slopes, often steep and in valley situations of such slopes	Quadrats: JIN-130, JIN-131, JIN-193, JIN-202, JIN-217, JIN-219, JIN-265, JIN-275, JIN-282 Relevés: JINR-278	368.7 ha 1.7%	**Significant flora/vegetation present:** Supports habitat for *Lepidium catapycnon* (P4)	

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
Plain				
P01 ***Triodia* low open hummock grassland** **SF TloTragTw AsyAb ChEx Ercu** *Triodia longiceps*, *T. angusta*, *T. wiseana* low open hummock grassland with *Acacia synchronicia*, *A. bivenosa* tall sparse shrubland with *Corymbia hamersleyana*, *Eucalyptus xerothermica* low isolated trees over *Eremophila cuneifolia* mid isolated shrubs. On pale brown clay loam on stony (calcrete, ironstone) saline flats	Quadrats: JIN-117, JIN-271, JIN-272, JIN-290	192 ha 0.9%	**Significant flora/vegetation present:** None	
P02 ***Triodia* low open hummock grassland** **SP TvTp Eg Aanc Ai** *Triodia vanleeuwenii*, *T. pungens* low open hummock grassland with *Eucalyptus gamophylla* low open mallee woodland over *Acacia ancistrocarpa* mid isolated clumps of shrubs with *A. inaequilatera* tall isolated shrubs. On red silty clay loam on rocky ironstone floodplains/ lower slopes.	Quadrats: JIN-017, JIN-044, JIN-083, JIN-094, JIN-095 Relevés: JINR-164	392.7 ha 1.8%	**Significant flora/vegetation present:** None	
P03 ***Acacia* low woodland** **FP AprAcaAa ErfoAnle Tp ArcArobEnpo** *Acacia pruinocarpa*, *A. catenulata*, *A. aptaneura* low woodland over *Eremophila forrestii*, *Anthobolus leptomerioides* mid open shrubland over *Triodia pungens* low sparse hummock grassland over *Aristida contorta*, *Ar. obscura*, *Enneapogon polyphyllus* low isolated clumps of grasses. On red clay loam on floodplains, stony plains and hardpan plains.	Quadrats: JIN-074, JIN-082, JIN-084, JIN-085, JIN-087, JIN-092, JIN-133, JIN-144, JIN-184, JIN-255 Relevés: JINR-098	652.1 ha 3%	**Significant flora/vegetation present:** • Supports habitat for *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3) and *Urochloa praetervisa* (first record outside the Kimberley in WA). • Vegetation type supports an Ecosystem/s at Risk: grove/inter-grove mulga, valley floor mulga, lower-slope mulga • Supports sheet-flow dependent ecosystems	

Vegetation Codes, Broad Floristic Formation & Description	Sample Sites	Survey Area Extent	Environmental values & features of interest	Representative Photo
Mapping Units				
Cld **Cleared** Cleared areas including gravel tracks, drill pads and other areas cleared for infrastructure.	Nil	410.6 ha 1.9%	**NA**	
Rhb **Rehabilitated Area** Designated areas of rehabilitation.	Nil	347.5 ha 1.6%	**NA**	
Not Surveyed	Nil	1079.0 ha 5.0%	**NA**	

724000 730000 736000

7464000

7458000

Vegetation Type

Drainage Line
- D01
- D02
- D03
- D04
- D05
- D06

Gorge/ Gully
- G01
- G02
- G03
- G04

Hill
- H01
- H02
- H03
- H05
- H06

Plain
- P01
- P02
- P03

Mapping Unit
- Cleared
- Rehabilitated Area

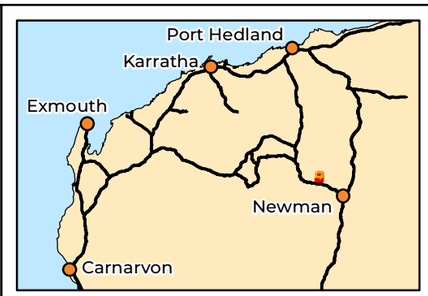
LEGEND
- Survey Area

Biologic

Scale 1:56,200

0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 03/12/2024



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Figure 4.6a: Vegetation types in the Survey Area

724000
730000
736000
7452000
7446000

Vegetation Type
Drainage Line
D01
D03
D04
D05
D06
Gorge/ Gully
G01
G03
G04
Hill
H01
H04
H05
H06
H07
Plain
P01
P02
P03
Mapping Unit
Cleared
Rehabilitated Area

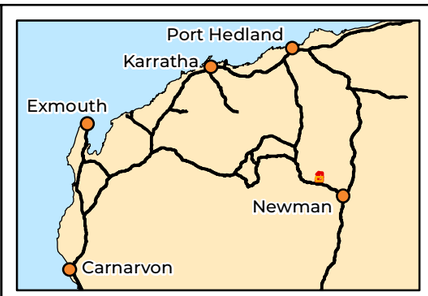
West Angelas Rd

LEGEND
Survey Area
Local Road
Rail

Biologic

Scale 1:56,200
0 1 2 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 03/12/2024



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Jinidi Detailed Flora and Vegetation Survey

Figure 4.6b: Vegetation types in the Survey Area

This occurrence overlaps a total of 11 mapped vegetation types in the Survey Area, including D01, D02, D03, G01, G03, G04, H02, H03, H05, H06, P01. However, when viewed overlaying aerial imagery, this mapped occurrence incorporates a variety of upland landforms and vegetation which is likely a function of the level of local and regional survey information available at the time of mapping (i.e. generalised mapping of the creek system boundary rather than PEC boundary as a precautionary approach) (EPA, 2016b). For the purpose of this report, these upland occurrences within the mapped boundary do not match the PEC assemblage. However, these upland occurrences occur within the mapped PEC boundary nonetheless as it is not the purpose of this report to alter, adjust or refine the PEC boundary. The EPA (2016b) suggests that definitions, descriptions and scales of TECs and PECs may be amended over time as better information becomes available, such as this and other survey reports intersecting Weeli Wolli Creek, but not as a direct result of this survey alone.

No other vegetation types mapped in the Survey Area are considered to match any other known PEC.

Vegetation type D01 most closely matches the vegetation community assemblage description listed in Table 3.5 and is considered to represent the Weeli Wolli Spring (P1) PEC where it overlaps the mapped PEC boundary in the northwest of the Survey Area. The diverse and unique herb and sedge species assemblage of the fringing cascading surface pools of vegetation type D01, which define the PEC, most closely match the PEC description, including but not limited to: *Ammannia multiflora*, *Cladium procerum* (P2) (high numbers and cover), *Cyperus vaginatus* (high numbers and cover), *Eleocharis geniculata* (high numbers and cover), *Fimbristylis microcarya* (high numbers and cover), *Fimbristylis sieberiana* (P3) (high numbers and cover), *Goodenia lamprosperma*, *Lobelia arnhemiaca* (high numbers and cover), *Schenkia australis*, *Schoenoplectus subulatus, Stylidium weeliwolli* (P3) (high numbers), and *Typha domingensis* (high numbers and cover).

A small portion of D01 occurs in the southwest of the Survey Area (interestingly occurring approximately 1.6 km east of Ben's Oasis: the only mapped occurrence of the Weeli Wolli Spring (P1) PEC occurring outside of the spring). This portion of D01 does not intersect the mapped occurrence of the PEC and is missing many of the determining herbs and sedges. This portion of D01 is not considered to represent the PEC. Mapping refinement of this portion (e.g., separating vegetation type D01 further into multiple units/types) is likely for surveys of higher intensity (e.g., targeted riparian vegetation/ GDV surveys).

None of the other vegetation types described and delineated from the Survey Area are considered to be analogous with any PECs known to occur in the Pilbara region.

710000
720000
730000
740000
7460000
7450000
West Angelas Rd

LEGEND

- Survey Area
- Local Road
- Rail
- Previously Mapped Weeli Wolli Spring PEC - Priority 1

Significant Vegetation

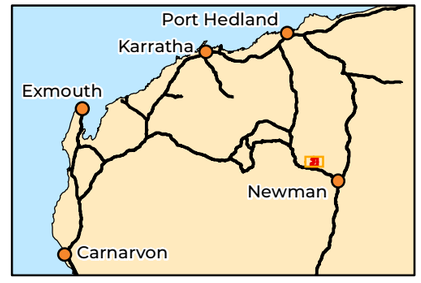
- D01 - Weeli Wolli Spring (P1)

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 31/10/2024



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Figure 4.7: Conservation significant vegetation in the Survey Area

4.2.4.4 Vegetation of Other Significance

The EPA (2016b) advises that vegetation may be of significance for reasons other than a listing as a TEC or a PEC (Section 4.1.8, Appendix N). This may include, although is not limited to, scarcity, novel combination of species, role as a refuge, restricted distribution and vegetation extent being below a known threshold level for a particular vegetation type or ecosystem.

Restricted, Novel and Refugial Vegetation

One vegetation type mapped within the Survey Area (Figure 4.8) represents restricted, novel and/or refugial vegetation, as advised by the EPA (2016b): G04 – Steep shaded cliffs, screes and gullies dominated by *Acacia catenulata* (Plate 4.4)

Vegetation type G04 is confined to steep shaded ironstone cliffs, scree slopes and gullies, predominantly south facing, and was mapped across 1.4 % (308.3 ha) of the Survey Area. Visual analysis of aerial imagery against a variety of parameters (geology, soils, vegetation, land systems etc.) suggests that this vegetation type is restricted in distribution to the southeastern Hamersley Range (and subregion), between Coondewanna and Mt Newman. Within this restricted range, G04 appears further scarce as most ironstone hills, slopes and cliffs here are dominated by hummock grasses (with mulga dominated vegetation confined to valley floors).

The vegetation structure of G04 is dominated by a low woodland to open forest of mulga (predominantly *Acacia catenulata* subsp. *occidentalis*) and *Grevillea* spp. (*G. berryana*, *G. saxicola* (P3)), while supporting an extremely species-poor understorey of isolated shrubs, herbs and annual grasses. This area appears naturally fire resistant due to the presence of bare and steep rocky scree-field foot slopes void of hummock grasses, resulting in deep and vast covers of leaf litter below the relatively tall (up to 10 m) woodlands/ forests. Like sheet-flow dependent ecosystems (see section below), these dense mulga woodlands appear to intercept and trap water and nutrients running downslope. The main difference, however, is the steep and shaded south-facing cliff landforms, trapping this moisture and biomass (leaflitter) high in the landscape, supporting refugial island habitats (no interconnection) with a unique floristic assemblage different from valley-floor mulga vegetation.

This vegetation type also supports a number of significant flora taxa, including *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3), *Eremophila naaykensii* (P3), *Grevillea saxicola* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3), *Lepidium catapycnon* (P4), as well as the anomalous entity *Grevillea* sp. (?*saxicola*) (see section 4.2.3.3).

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LEGEND

Survey Area
Local Road
Rail

Vegetation Type

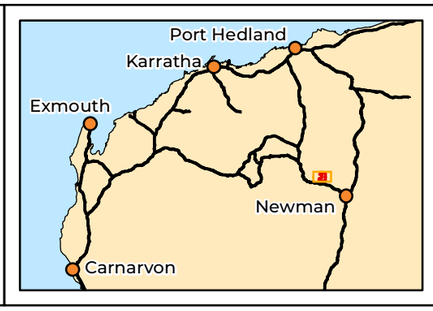
G04 - Steep shaded cliffs, screes and gullies dominated by *Acacia catenulata*

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 27/06/2024



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Figure 4.8: Restircted, novel and refugial vegetation in the Survey Area



Plate 4.4: Vegetation type G04

Groundwater Dependent Ecosystems

Drainage Line and Gorge/ Gully landforms are common across the Survey Area and have the potential to support phreatophytic flora or GDV (for example *Melaleuca argentea* and/or *Eucalyptus camaldulensis*). A review of the GDE potential of the Survey Area (see Section 3.2.2.1), observed surface water features (Figure 4.9) and the floristic assemblages (vegetation types) containing GDV and subsequent associated sub-landforms occurring in the Survey Area, identified vegetation types D01 (regionally significant and restricted permanent GDE (Weeli Wolli Spring), high potential of supporting GDV/ semi-permanent GDE (small portion in southwest)), D02 (high potential of supporting GDV/ semi-permanent GDE), D03 (medium potential of supporting GDV/ semi-permanent GDE), D06 (low potential of supporting GDV, supports locally common IDE) and G02 (low potential of supporting GDV, supports locally restricted IDE) as supporting groundwater dependent vegetation and ecosystems (Figure 4.9).

Regionally significant and restricted permanent GDE (Weeli Wolli Spring)

Vegetation type D01 is associated entirely with Weeli Wolli Creek, with the northern mapped portion most closely representing the Weel Wolli Spring (P1) PEC (see section 4.2.4.3). The northern mapped portion, in particular, is supported by a series of rapidly and slow flowing streams, deep sections of pooled water and damp creek line edges and fringes. Although historically there was permanent groundwater expression from Weeli Wolli Spring, water flows in Weeli Wolli Creek have increased artificially in some areas following mine development in the catchment. Riparian tree and understorey cover appears to be augmented superficially by the unnaturally high surface water present due to Hope Downs 1 mine dewatering surplus discharge downstream of the gabion, and from the spur system upstream of the gabion designed to mitigate drawdown impacts on Weeli Wolli Spring.

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JINWF02 JINWF05 JINWF01 JINWF03 JINWF04 JINWF22 JINWF21 JINWF19 JINWF18 JINWF17 JINWF11 JINWF10 JINWF09 JINWF08 JINWF12 JINWF07 JINWF06 JINWF14 JINWF16 JINWF13 JINWF15

West Angelas Rd

Water Feature
- Permanent
- Semi-permanent
- Ephemeral

LEGEND

- Survey Area
- Local Road
- Rail

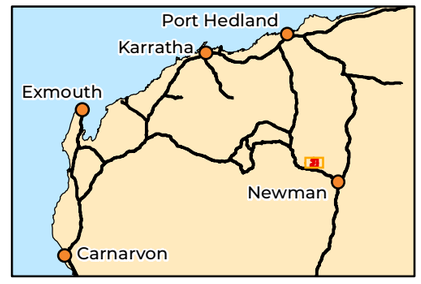
Groundwater Dependent Ecosystem and Vegetation
- Supports permanent GDE features
- High potential of supporting GDV/ semi-permanent GDE
- Medium potential of supporting GDV/ semi-permanent GDE
- Low potential of supporting GDV/ semi-permanent GDE, supports locally common IDE
- Low potential of supporting GDV, supports locally restricted IDE

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



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Figure 4.9: Groundwater dependent ecosystems, groundwater dependent vegetation and water features in the Survey Area

This increased flow of surface and subsurface water supports a consistently high canopy cover from obligate, wetland obligate and facultative phreatophytes, including *Melaleuca argentea* (obligate) and *Eucalyptus camaldulensis* (facultative), as well as a variety of understorey hydrophytic/ mesophytic flora species consistent with high soil moisture and availability, including:

- *Acacia ampliceps;*
- *Acacia citrinoviridis*;
- *Acacia coriacea* subsp. *pendens*;
- *Ammannia multiflora*;
- *Cladium procerum* (P2);
- *Cullen leucanthum;*
- *Cyperus vaginatus*;
- *Eleocharis geniculata*;
- *Eucalyptus victrix*;
- *Fimbristylis microcarya*;
- *Fimbristylis sieberiana* (P3);
- *Goodenia lamprosperma*;
- *Gossypium robinsonii*;
- *Gossypium sturtianum* var. *sturtianum*;
- *Imperata cylindrica*
- *Lobelia arnhemiaca*;
- *Melaleuca bracteata*;
- *Melaleuca glomerata*;
- *Schoenoplectus subulatus*;
- *Sesbania cannabina;*
- *Stylidium weeliwolli* (P3);
- *Typha domingensis*; and
- Submerged macrophytes (including *Chara fibrosa*, *Najas marina*, *Vallisneria annua*, *Vallisneria nana*, *Potamogeton tepperi* (Biologic, 2023e)).

The flora composition in Weeli Wolli Creek is likely to have changed since surplus mine dewatering discharge and spur supplementation commenced.

The small portion of D01 occurring in the southwestern portion of the Survey Area is not considered to match the PEC description, but still supports high canopy cover from *Melaleuca argentea* and *Eucalyptus camaldulensis* and a number of hydrophytic/ mesophytic flora species listed above, as well as ephemeral surface water (observed during wet season sampling). This portion is considered to have a high potential of supporting GDV/ semi-permanent GDE similar to D02 below.

Of particular interest in the mapped occurrences of D01 and D02 is the presence of *Imperata cylindrica*, a bright-green rhizomatous, densely tufted perennial grass, often forming dense clonal monoculture understoreys (Plate 4.5) (WAH, 1998 -). This taxon is a cosmopolitan species, while in Western Australia it commonly occurs in the wetter Kimberley region, recorded from inland swamps and billabongs to edges of estuarine inlets and tidal creeks (WAH, 1998 -). However, this species is much rarer in the Pilbara region and is currently only known from four lodged records (WAH, 1998 -), suggesting relictual persistence from a wetter past. *Imperata cylindrica* in the Pilbara almost exclusively occurs in association with

persistently wet environments associated with springs or seeps, known from Mindy Mindy Creek, Caves Creek, Marillana Creek and pools in Karijini National Park (WAH, 1998 -). *Imperata cylindrica* is a key mesophytic indicator species and a key indicator for the 'Riparian flora and plant communities of springs and river pools with high water permanence of the Pilbara Region' (P2) PEC.



Plate 4.5: *Imperata cylindrica* occurrence from D02. **Source:** Biologic.

High potential of supporting GDV/ semi-permanent GDE

Vegetation type D02, occurring adjacent to vegetation type D01 (northwestern portion) and Weeli Wolli Spring, is located along the seasonally-damp raised banks of Weeli Wolli Creek in the northwest of the Survey Area. This mapped occurrence supports dense mature cover of *Eucalyptus camaldulensis*, as well as a variety of understorey hydrophytic/ mesophytic flora species consistent with high soil moisture and availability, including:

- *Acacia ampliceps;*
- *Acacia citrinoviridis*;
- *Acacia coriacea* subsp. *pendens*;
- *Cladium procerum* (P2);
- *Cyperus vaginatus*;
- *Eleocharis geniculata*;
- *Eucalyptus victrix*;
- *Fimbristylis microcarya*;
- *Fimbristylis sieberiana* (P3);
- *Gossypium robinsonii*;
- *Gossypium sturtianum* var. *sturtianum*;
- *Imperata cylindrica*;
- *Melaleuca argentea (occasionally)*;
- *Melaleuca bracteata*;
- *Melaleuca glomerata*;
- *Plumbago zeylanica*; and
- *Typha domingensis*.

Medium potential of supporting GDV/ semi-permanent GDE, supports locally common IDE

Vegetation type D03 occurs along Weeli Wolli Creek and tributaries on rockier and dryer creek beds and edges in the north and southwestern portions of the Survey Area. The portion of this mapped occurrence near and adjacent the Weeli Wolli Spring (P1) PEC does not contain the unique and species rich understorey of herbs and sedges, rather it supports an

open tussock grassland of *Cenchrus ciliaris, *Themeda triandra*, *Eriachne benthamii* with sparse shrublands of low to tall woody shrubs. However, this vegetation type supports open woodlands of *Eucalyptus camaldulensis* and *Eucalyptus victrix* (facultative phreatophyte/ vadophyte) as well as a number of hydrophytic/ mesophytic flora species, including:

- *Acacia ampliceps;*
- *Acacia citrinoviridis*;
- *Acacia coriacea* subsp. *pendens*;
- *Ammannia multiflora*;
- *Cyperus vaginatus*;
- *Fimbristylis microcarya*;
- *Goodenia lamprosperma*;
- *Gossypium robinsonii*;
- *Gossypium sturtianum* var. *sturtianum*;
- *Melaleuca glomerata*;
- *Schoenoplectus subulatus*;
- *Sesbania cannabina; and*
- *Typha domingensis*;

Small disconnected pools of surface water were observed during the wet season sampling only in portions of this mapped occurrence, indicating a higher likelihood of inflow dependence for D03.

Low potential of supporting GDV/ semi-permanent GDE, supports locally restricted IDE

Vegetation type G02 occurs on deeply incised gorges and gullies of the northern slopes of Roundtop Hill. All mapped occurrences of G02 form feeder tributaries to Weeli Wolli Creek and/or Spring. The deeply incised gorge and gully landforms associated with G02 support unique floristic assemblages compared to the remaining gorge and gully landforms across the Survey Area (Plate 4.6), including occasional open woodlands of *Eucalyptus camaldulensis*, which is uncommon this high in the landscape, and high frequencies and covers of hydrophytic/ mesophytic flora taxa *Cyperus vaginatus*, *Gymnanthera cunninghamii* (P3) and *Scleromitrion galioides*. Most portions of G02 contained numerous disconnected surface pools observed during wet-season sampling, while in March 2024 site JIN-051 contained connected flowing surface water and pools along a 2 km section of gorge, indicating a higher reliance on inflow dependence. The presence of *E. camaldulensis* does suggest some potential reliance on groundwater, but further investigations would be required to determine if such sub-surface water is connected to the water table or perched higher in the landscape (disconnected).



Plate 4.6: *Gymnanthera cunninghamii* (P3) in G02 (left); deep ephemeral pool in G02

Low potential of supporting GDV/ semi-permanent GDE, supports locally common IDE

Vegetation type D06 occurs on medium rocky and dry drainage lines, all of which are upland tributaries to Weeli Wolli Creek. D06 supports mid open woodlands of *Eucalyptus victrix* and *E. camaldulensis* (sporadic occurrences) and low open woodlands of *E. xerothermica* (facultative phreatophyte/ vadophyte) and *Acacia citrinoviridis*. Understorey taxa consist of open tussock grasslands and sparse shrublands of low to tall woody shrubs. This vegetation type supports few understorey hydrophytic/ mesophytic flora species compared to other potential GDV supporting types, indicating a low reliance of groundwater and high reliance on seasonal in-flow.

Ecosystems at Risk

Five vegetation types mapped within the Survey Area are analogous with 'ecosystems at risk' for the Hamersley IBRA subregion (Kendrick, 2003) (Table 4.12, Figure 4.10).

Vegetation type P03, containing mulga species as dominant components (*Acacia aneura, A. aptaneura, A. incurvaneura,* and/ or *A. pteraneura*) of either woodland, open woodland, shrubland or open shrubland on valley floors, lower slopes and floodplains/ hardpan plains, were considered to be 'grove/inter-grove mulga', 'valley floor mulga', and 'lower slope mulga' (Table 4.12). Banding (groving/ inter-groving) is most evident in the northern-central portions of the Survey Area.

Vegetation type H05 mapped on large ironstone hills and mountains in the Survey Area represent 'Hill-top/ Mountain top floras of the Hamersley Range', vegetation types D01, D02 and D03 are considered to represent 'major ephemeral watercourses', while D01 is considered to represent the 'Weeli Wolli Spring' (P1) PEC, which is of subregional significance (Kendrick, 2003) and Priority listed by DBCA.

None of the gorge and gully vegetation types mapped in the Survey Area are considered to represent the rare and refugial 'Gorges of Hamersley Range' (mainly confined to Karijini National Park). Threatening processes for these ecosystems generally include stock, weeds, frequent fires, mining and clearing (Kendrick, 2003).

Table 4.12: Ecosystems at risk in the Survey Area

Ecosystem at Risk	Vegetation type	Comments
Grove/inter-grove mulga, valley floor mulga, lower-slope mulga	P03	Banding (groves/ inter-groves) evident on aerial imagery in the Survey Area; On hardpan plains and drainage area/ floodplains on valley floors in the Survey Area; On footslope and lower slope landforms in the Survey Area. Dominated by mulga species as open woodland or woodland (*Acacia aptaneura*, *A. aneura, A. incurvaneura, A. pteraneura*). Risks/ threatening processes: stock, weeds, mining, linear infrastructure (roads), fire (killing big mulga stands, frequent fires preventing regeneration).
Hill-top/ Mountain top floras of the Hamersley Range	H05	Provide refuge from fire for a large number of restricted flora species in the Hamersley Range. Risks/ threatening processes: fire (changes to frequency and intensity, frequency preventing regeneration, deliberate burning of buffers)
All major ephemeral watercourses	D01, D02, D03	Landforms and sub landforms associated with major ephemeral watercourses of the Hamersley subregion (Weeli Wolli Creek in the case of the Survey Area)
Weeli Wolli Spring (P1) PEC	D01	Weeli Wolli Spring's unusual riparian woodland and forest associations, along with the unique sedge and herbfield communities that fringe many of the pools and associated water bodies along the main channels of Weeli Wolli Creek. Nearby calcrete (and alluvial aquifer) supports a high diversity of stygofauna, permanent spring supports a rich microbat assemblage (including a threatened species). Risks/ threatening processes: cattle grazing pressure, weeds, mining, de-watering, tourism.

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LEGEND

- Survey Area
- Local Road
- Rail

Ecosystem at Risk

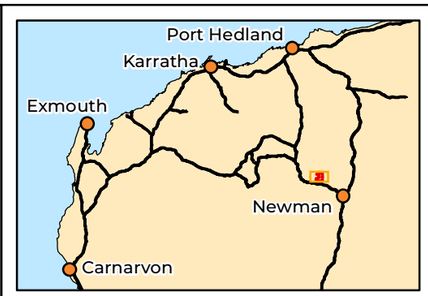
- Grove/ inter-grove mulga, valley floor mulga, lower-slope mulga
- Hill-top/ Mountain top floras of the Hamersley Range (hillcrests/ summits only)
- Major ephemeral water course
- Weeli Wolli Spring, major ephemeral water course

Biologic

Scale 1:100,000

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Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 20/03/2025



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Figure 4.10: Ecosystems at risk in the Survey Area

Sheet-flow Dependent Ecosystems

Vegetation type P03 is considered to represent a sheet-flow dependent ecosystem (Figure 4.11). This vegetation type is described as a low woodland containing *Acacia aneura* and its closely allied relatives, represented in this survey by *A. aptaneura* (dominant), *A. ayersiana, A. catenulata* subsp. *occidentalis* (dominant) *A. incurvaneura, A. mulganeura* and *A. pteraneura*. Vegetation type P03 is mapped mostly in the central-northern portion of the Survey Area, with scattered occurrences across the Survey Area, thereafter, broadly coinciding with the Boolgeeda land system in the central north and the Spearhole system in the southeast. Sheet-flow dependent ecosystems occurred on red clay loams and silty clay loams across hardpan plains, floodplains, lower slopes and stony plains.

A grove/ intergrove structure (banding) was most evident (albeit fairly weak) from aerial imagery in the larger mapped portions central-north of the Survey Area and was confirmed by on-ground observation (Plate 4.7, Plate 4.8). Groves were longitudinally oriented strips of low mulga woodland over low scattered tussock grasses and herbs, whilst intergrove areas were relatively bare, with only scattered shrubs and tussock grasses occasionally present (Plate 4.7). This is typical of banded vegetation whereby the groves intercept sheet-flow resulting in accumulation of biomass and unique flora assemblages.



Plate 4.7: Grove (left)/ intergrove (right) structure

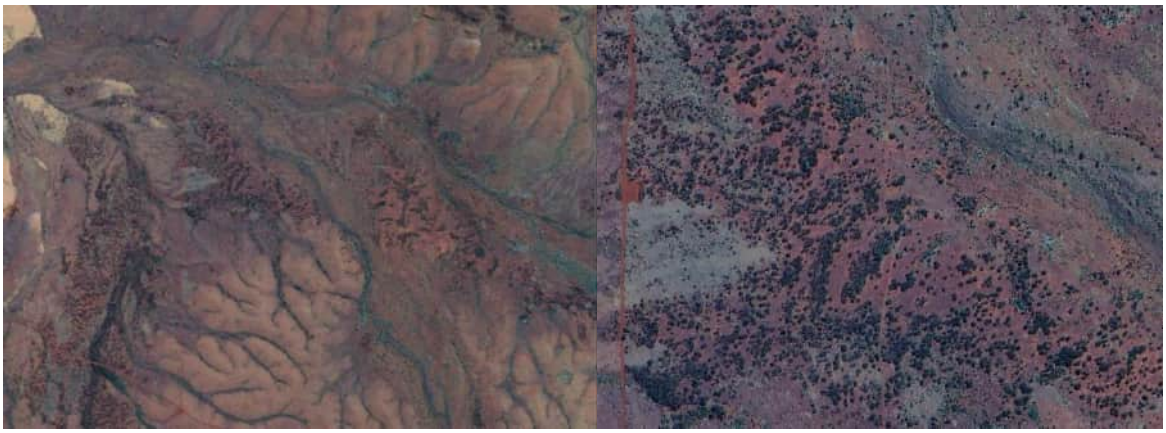


Plate 4.8: Aerial views of banding in VT P03

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Survey Area
Local Road
Rail

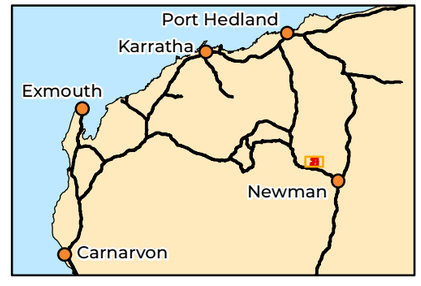
Sheet-flow Dependent Ecosystem
P03

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 27/06/2024



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Figure 4.11: Sheet-flow dependent ecosystems in the Survey Area

4.2.4.5 Vegetation Condition

The condition of the vegetation within the Survey Area ranged from Excellent to Degraded, with the majority in Excellent condition (17,891.1 ha/ 83.4 %) (Table 4.13, Figure 4.12). Disturbances affecting condition were generally minimal across the Survey Area, likely due to the limited current and/or historical pastoral tenure and clearing in the area, resulting in low instances of stock related disturbance (trampling, grazing) and weed dispersal.

Large parts of the Survey Area in the centre and north are recovering from a wildfire that occurred in November 2017. This was evident in the size and cover of hummock grasses, while some dead tree and shrub stags remained. However, the time since fire was enough that few to no fire ephemerals remained and vegetation structure and diversity had returned to near climax. Fire in the Pilbara is a common phenomenon, and its presence does not necessarily warrant a lowering in condition. Successive, high intensity fires across the landscape can have a detrimental impact on vegetation and vegetation recovery. However, this is not the case for the Survey Area and the vegetation is recovering naturally from fairly old previous fire/s.

Table 4.13: Vegetation condition in the Survey Area

Condition	Extent (ha / %)	Comment
Excellent	17,891 / 83.3	Across the majority of the Survey Area, showing negligible signs of disturbance.
Very Good	1,482 / 6.9	Fairly localised to two central recently-disturbed exploration areas, and six portions of minor, medium and major drainage lines scattered across the Survey Area containing low weed loads (<5 %) and minor cattle disturbances (grazing).
Good	203 / 0.9	Localised to small portions of minor/ medium and major (Weeli Wolli Creek) drainage lines adjacent rail, roads, tracks and fence lines. Disturbances mainly relating to adjacent infrastructure and clearing, as well as moderate weeds loads (up to 10 % cover) and cattle disturbances (grazing, trampling).
Poor	39 / 0.2	Localised to two small areas low in the landscape affected by major hydrological changes (mulga hardpan in SE, affected by culvert from railway and track) and moderate cattle related disturbances (grazing, trampling) paired with moderate weed covers (10-20 %) and diversity (upper-Weeli Wolli Creek in NW).
Degraded	8 / <0.1	Localised to one small area affected by extensive major cattle disturbances (grazing, trampling) and high weed loads, particularly dominating the lower stratum (>40 % cover of **Cenchrus ciliaris*)
Completely Degraded	758 / 3.5	Cleared, disturbed and/ or recovering areas (rehabilitation) currently void of vegetation (or mostly so) from unnatural processes
Not Surveyed	1,079 / 5.0	Not surveyed due to access restrictions (inaccessible area encompassing Roundtop Hill)
TOTAL	**21,461.8 / 100**	

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LEGEND

Survey Area
Local Road
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Vegetation Type

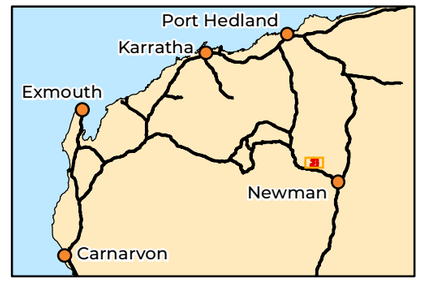
Excellent
Very Good
Good
Poor
Degraded
Completely Degraded (Roads/tracks, Cleared, Rehabilitated)

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 03/12/2024



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Figure 4.12: Vegetation condition in the Survey Area

5 Significance Assessment

Significant vegetation types, as determined from the significance assessment matrix (Appendix N) are presented in Table 5.1 and Figure 5.1. Vegetation types can have multiple levels of significance but are represented by their highest level of significance.

All vegetation types, except for D02, D05, D06, H06, P01, and P02, supported habitat for one or more priority flora taxa (Table 4.11). Many of the priority flora are common across the Survey Area and wider Pilbara region, while others are more restricted or occur at the edge of, or extend the range of, the taxon's distribution.

Table 5.1: Local and Regional Significance

Significance	VTs	Taxa and/ or vegetation supported
Regional **Considered 'Significant' under BHP's data standards (BHP WAIO, 2023)**	D01 (Portion at Weeli Wolli Spring)	• Supports restricted, rare, and regionally significant ecological community: 'Weeli Wolli Spring' (P1) PEC; and • Supports significant and restricted permanent GDE features: Weeli Wolli Spring
High: local (to subregional) **Considered 'Significant' under BHP's data standards (BHP WAIO, 2023)**	D01 (SW portion), D02, G04	• High potential to support GDV and semi-permanent GDE features – D02. • Support sub-regionally restricted vegetation: Steep shaded cliffs, screes and gullies dominated by mulga (*Acacia catenulata*) – G04. • Support restricted P1 or P2 flora uncommon across the Survey Area and/or wider Hamersley subregion: *Cladium procerum* (P2) – D01. • Support flora of "Other" significance (taxa with anomalous features) potentially not currently known to taxonomy which is likely to be priority listed: *Grevillea* sp. (?*saxicola*) – G04.
Medium: local	D03, D04, G01, G02, H03	• Support P1 or P2 flora common across the Survey Area and/or wider Hamersley subregion: *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2) – G01; and • Support P3 and P4 flora restricted in the Survey Area but common across the wider Hamersley subregion: *Aristida lazaridis* (P3) – D04; *Acacia subtiliformis* (P3) – H03; *Fimbristylis sieberiana* (P3) – D01; *Gymnanthera cunninghamii* (P3) – D01, G02; *Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3) –G01, G04 *Stylidium weeliwolli* (P3) – D01; *Acacia bromilowiana* (P4) – G01. • Medium potential to support GDV and semi-permanent GDE features – D03. • Supports locally restricted IDE – G02.

Significance	VTs	Taxa and/ or vegetation supported
Low: local.	G03, H01, H02, H04, H05, H07, P03	• Support P3 and P4 flora common across the Survey Area and/or wider Hamersley subregion: *Eremophila naaykensii* (P3) – G01, G02, G03, G04; *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) – H03, H04; *Grevillea saxicola* (P3) – G01, G04; *Indigofera gilesii* (P3) – G01, G03; *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3) – G04, P03; *Rostellularia adscendens* var. *latifolia* (P3) – D01, D03, G03, H03; *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3) – G01, G03, G04, H01, H05 *Lepidium catapycnon* (P4) – G01, G03, G04, H01, H02, H05, H07 • Flora taxa records representing new locations for the region (e.g., Pilbara) and representing notable extensions to known range (>100 km) – *Urochloa praetervisa* (first record outside the Kimberley in WA). • Support Ecosystems at Risk: Weeli Wolli Spring – D01; Major ephemeral water course – D01, D02, D03; Hill-top/ Mountain top floras of the Hamersley Range – H05; Grove/inter-grove mulga, valley floor mulga, lower-slope mulga – P03. • Low potential to support GDV and semi-permanent GDE features – D06, G02. • Support locally common IDE – D06 • Support Sheet-flow Dependent Ecosystems – P03
Negligible: local	D05, H06, P01, P02	Support flora taxa and vegetation common to the Survey Area and wider subregion.

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Local Road
Rail

Vegetation Significance

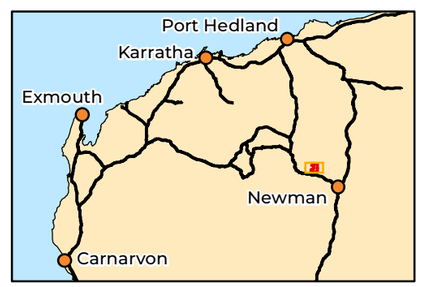
Regionally significant
Local: High
Local: Medium
Local: Low
Negligible

Biologic

Scale 1:100,000

0 2 4 Km

Coordinate System: GDA 1994 MGA Zone 50
Projection: Transverse Mercator
Datum: GDA 1994 Created 31/10/2024



BHP WAIO

Jinidi Detailed Flora and Vegetation Survey

Figure 5.1: Vegetation of local and regional significance in the Survey Area

6 Conclusion

A two-phase detailed flora and vegetation survey was completed across the Survey Area, with all the major vegetation units visited and sampled. A total of 233 floristic sites (199 quadrats, 34 relevés) were established and sampled. Access restrictions to several portions of the Survey Area at different periods during the survey is a limitation to the survey, particularly the portion of Roundtop Hill not accessible during the survey and the portion of calcrete adjacent Weeli Wolli Creek not accessible during wet-season surveys. No other major limitations or constraints affected the survey completion. The survey recorded:

- 572 vascular flora taxa, comprising 492 confirmed (472 native, 20 introduced taxa) and 80 unconfirmed flora taxa;
- 17 confirmed and one unconfirmed (species/ infraspecies level) Priority flora taxa;
- One taxon, *Isotropis parviflora* (P3), was known from the Survey Area pre-survey but was not re-recorded by this survey;
- One taxon of special interest, *Grevillea* sp. (?saxicola), exhibiting anomalous features;
- The record of *Urochloa praetervisa* from the survey represents the first record for this taxon in the Pilbara, and first in WA outside of the Kimberley;
- 16 flora taxa recorded represent range extensions of current known distribution (4 taxa) or fill gaps in current known distribution (12 taxa);
- 20 introduced flora taxa;
- 20 discrete vegetation types from 4 broad landforms: Hills (68.6 %), Gorges/ Gullies (11.2 %), Drainage Lines (6.1 %), and Plains (5.8 %);
- One previously recorded but confirmed PEC: 'Weeli Wolli Spring' (P1) PEC, represented by a portion of vegetation type D01 (regionally significant vegetation, considered significant under BHP's data standards);
- One restricted, novel and refugial vegetation type: G04, consisting of steep shaded cliffs, screes and gullies dominated by mulga (*Acacia catenulata*) (sub-regionally significant vegetation, considered significant under BHP's data standards);
- Two vegetation types supporting groundwater-dependent vegetation and Ecosystems (high potential and above): D01 (significant and restricted permanent GDE (portion at Weeli Wolli Spring), D02 and SW portion of D01 (high potential of supporting GDV/ semi-permanent GDE). These are considered significant under BHP's data standards; and
- Vegetation condition ranged from Excellent to Degraded, with the majority (83.3 %) in Excellent condition.

7 References

ALA, Atlas of Living Australia. (2023). Occurrence search (custom search). Retrieved 2023 http://www.ala.org.au/

Astron. (2010). *Area C to Yandi flora and vegetation survey*. Unpublished report prepared for BHP Billiton Iron Ore. Astron Environmental Services, Perth, WA.

Astron. (2019). *Hope Downs 2 Proposal Flora and Vegetation Survey*. Unpublished report prepared for Rio Tinto. Astron Environmental Services, Perth, WA.

Astron. (2020). *Hope Downs 1 Development Envelope - Vegetation Mapping*. Unpublished report for Rio Tinto. Astron Environmental Services, Perth, WA.

Barrett, M. D., & Trudgen, M. E. (2018). Triodia pisoliticola (Poaceae), a new species from the Pilbara region, Western Australia, and a description for T. sp. Mt Ella (M.E. Trudgen MET 12739). *Nuytsia, 29*, 271-281.

Beard, J. S. (1975a). *The vegetation of the Pilbara Area: 1:1,000,000 vegetation series, map and explanatory notes to sheet 5*. Nedlands, Western Australia: University of Western Australia Press.

Beard, J. S. (1975b). The vegetation survey of Western Australia. *Vegetatio, 30*(3), 179-187.

BHP. (2018). *Vegetation and flora survey: Procedure*. Controlled document 0124627 Version 3.0. BHP WAIO. Perth, WA.

BHP WAIO. (2023). *Biodiversity survey spatial data requirements: Procedure*. Controlled document SPR-IEN-EMS-015 Version 12.0. BHP. Perth, WA.

Biologic. (2020). *Brockman Syncline riparian vegetation survey Boolgeeda Creek*. Unpublished report prepared for Rio Tinto Iron Ore Pty Ltd. Biologic Environmental Survey. East Perth, WA.

Biologic. (2021a). *Brockman Syncline riparian vegetation survey Duck Creek*. Unpublished report prepared for Rio Tinto Iron Ore Pty Ltd. Biologic Environmental Survey. East Perth, WA.

Biologic. (2021b). *Ministers North miscellaneous licence area amendment surveys and Yandicoogina Creek detailed flora and vegetation assessment*. Unpublished report prepared for BHP Western Australia Iron Ore. Biologic Environmental Survey. East Perth, WA.

Biologic. (2023a). *Central Pilbara Hub detailed and targeted flora survey*. Unpublished report prepared for BHP Western Australian Iron Ore. Biologic Environmental Survey. East Perth, WA.

Biologic. (2023b). *Weeli Wolli Creek tree health and riparian vegetation monitoring: Dry 2021 – Wet 2022*. Unpublished report prepared for BHP WAIO. Biologic Environmental Survey. East Perth, WA.

Biologic. (2023c). *Weeli Wolli Creek tree health and riparian vegetation monitoring: Dry 2022 – Wet 2023*. Unpublished report prepared for BHP WAIO. Biologic Environmental Survey. East Perth, WA.

Biologic. (2023d). *Weeli Wolli Spring Aquatic Monitoring 2022*. Unpublished report prepared for BHP Western Australian Iron OreDraft v1. Biologic Environmental Survey, East Perth, WA.

Biologic. (2023e). *Weeli Wolli Spring: Aquatic Monitoring 2021*. Unpublished report prepared for BHP WAIO. Biologic Environmental Survey, East Perth, WA.

Biota. (2011). *Jinidi Mine Access Road Infrastructure Corridor – Flora and Fauna Values*. Biota Environmental Sciences, Leederville, WA.

Biota. (2012a). *Jinidi to Mindy Level 1 Flora and Vegetation Survey*. Unpublished report prepared for BHP Billiton Iron Ore Pty Ltd.

Biota. (2012b). *South Flank to Jinidi level 2 flora and vegetation survey*. Unpublished report prepared for BHP Billiton Iron Ore Pty Ltd. Biota Environmental Sciences. Leederville, WA.

BoM, Bureau of Meteorology. (2023). Climate Data Online. Retrieved 2023 http://www.bom.gov.au./climate/data/index.shtml

BoM, Bureau of Meteorology. (2024a). Climate Data Online. Retrieved 2024 http://www.bom.gov.au./climate/data/index.shtml

BoM, Bureau of Meteorology. (2024b). Groundwater dependent ecosystems atlas.

Curtis, A. L., Grierson, P. F., Batley, J., Naaykens, J., Fowler, R. M., Severn-Ellis, A., & Thiele, K. R. (2022). Resolution of the Eremophila tietkensii (Scrophulariaceae) species complex based on congruence between morphological and molecular pattern analyses. *Australian Systematic Botany, 35*(1), 1-18.

Dawson, N. M., & Ahern, C. R. (1973). Soils and landscapes of Mulga lands with special reference to South Western Queensland. *Tropical Grasslands, 7*(1), 23-34.

DBCA, Department of Biodiversity, Conservation and Attractions. (2022). *Priority Ecological Communities for Western Australia version 33*. Department of Biodiversity, Conservation and Attractions Retrieved from https://www.dpaw.wa.gov.au/images/documents/plants-animals/threatened-species/Listings/Priority%20Ecological%20Communities%20list.pdf.

DBCA, Department of Biodiversity, Conservation and Attractions. (2023a). Dandjoo biodiversity data repository (custom search). Retrieved 2023 https://dandjoo.bio.wa.gov.au/

DBCA, Department of Biodiversity, Conservation and Attractions. (2023b). NatureMap: Mapping Western Australia's biodiversity (custom search). Retrieved 2023 http://naturemap.dec.wa.gov.au./default.aspx

DBCA, Department of Biodiversity, Conservation and Attractions. (2023c). *Priority Ecological Communities for Western Australia version 35*. Department of Biodiversity Conservation and Attractions Retrieved from https://www.dpaw.wa.gov.au/images/documents/plants-animals/threatened-species/Listings/Priority%20Ecological%20Communities%20list.pdf.

DBCA, Department of Biodiversity, Conservation and Attractions. (2023d). Threatened and Priority Ecological Communities database (custom search). Retrieved 2023 https://www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities

DBCA, Department of Biodiversity, Conservation and Attractions. (2023e). Threatened and Priority Flora database (custom search). Retrieved 2023 http://www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/threatened-animals

DBCA, Department of Biodiversity, Conservation and Attractions. (2023f). *Threatened and Priority Flora list 1 December 2023*. Kensington, WA: Department of Biodiversity, Conservation and Attractions.

DCCEEW, Department of Climate Change, Energy, the Environment and Water. (2023). Protected Matters Search Tool (custom search). Retrieved 2023, from Department of Climate Change, Energy, the Environment and Water www.environment.gov.au/erin/ert/epbc/index.html

DoE, Department of the Environment. (2013). *Matters of national environmental significance: significant impact guidelines*. Department of the Environment, Canberra.

DoEE, Department of the Environment and Energy. (2019). Weeds of National Significance. Retrieved from https://www.environment.gov.au/biodiversity/invasive/weeds/weeds/lists/wons.html

Doody, T. M., Barron, O. V., Dowsley, K., Emelyanova, I., Fawcett, J., Overton, I. C., . . . Warren, G. (2017). Continental mapping of groundwater dependent ecosystems: A methodological framework to integrate diverse data and expert opinion. *Journal of Hydrology: Regional Studies, 10*, 61-81.

DoW, Department of Water. (2010). *Pilbara Regional Water Plan 2010-2030*. Department of Water.

DPIRD, Department of Primary Industries and Regional Development. (2022). Declared Plant Pests. Retrieved from https://www.agric.wa.gov.au/pests-weeds-diseases/weeds/declared-plants

DPIRD, Department of Primary Industries and Regional Development. (2023). Western Australian Organism List (custom search). Retrieved 2023 https://www.agric.wa.gov.au/organisms

DWER, Department of Water and Environmental Regulation (2024). Index of Biodiversity Surveys for Assessments (IBSA). Retrieved from https://biocollect.ala.org.au/ibsa#max%3D20%26sort%3DdateCreatedSort

Eamus, D., Fu, B., Springer, A. E., & Stevens, L. E. (2016). Groundwater dependent ecosystems: Classification, identification techniques and threats. In A. J. Jakeman, O. Barreteau, R. J. Hunt, J. D. Rinaudo, & A. Ross (Eds.), *Integrated Groundwater Management: Concepts, Approaches and Challenges* (pp. 313-346). Cham: Springer International Publishing.

Ecologia. (1998). *Weeli Wolli creek biological assessment survey*. Unpublished report prepared for BHP Iron Ore. ecologia Environmental Consultants, West Perth, WA.

Ecologia. (2006). *Jirridi biological survey summary report*. Unpublished report prepared for BHP Billiton Iron Ore. ecologia Environmental Consultants, West Perth, WA.

ENV. (2007). *Area C R-Deposit flora and vegetation assessment*. Unpublished report to BHP Billiton Iron Ore Pty Ltd. ENV Australia. Perth, WA.

ENV. (2009). *Jinayri geotechnical and sterilisation program flora and vegetation assessment*. Unpublished report to BHP Billiton Iron Ore Pty Ltd. ENV Australia. Perth, WA.

ENV. (2010a). *Jinayri Access Road Flora and Vegetation Survey*. Unpublished report to BHP Billiton Iron Ore Pty Ltd, Peth Western Australia. ENV Australia, Perth, WA.

ENV. (2010b). *Jinayri Mining Lease Flora and Vegetation Survey*. Unpublished report to BHP Billiton Iron Ore Pty Ltd, Peth Western Australia. ENV Australia, Perth, WA.

ENV. (2010c). *Jinayri to Area C Access Corridor Flora and Vegetation Assessment*. Unpublished report prepared BHP Billiton Iron Ore. ENV Australia, Perth, WA.

EPA, Environmental Protection Authority. (2016a). *Environmental factor guideline: Flora and vegetation*. Perth, Western Australia: Environmental Protection Authority.

EPA, Environmental Protection Authority. (2016b). *Technical guidance: Flora and vegetation surveys for environmental impact assessment*. Perth, Western Australia: Environmental Protection Authority.

EPA, Environmental Protection Authority. (2018a). *Environmental Factor Guideline: Inland Waters*. Perth, Western Australia: Environmental Protection Authority.

EPA, Environmental Protection Authority. (2018b). *Evaluating the environmental condition of Weeli Wolli Creek*. Perth, Western Australia: Environmental Protection Authority.

EPA, Environmental Protection Authority. (2023). *Statement of environmental principles, factors, objectives and aims of EIA*. Perth, WA.

ESCAVI, Executive Steering Committee for Australian Vegetation Information. (2003). *Australian vegetation attribute manual: National vegetation information system (version 6.0)*. Canberra, ACT: ESCAVI, Executive Steering Committee for Australian Vegetation Information.

Geoscience Australia. (2013). Geological Provinces - full extent. Bioregional assessment source dataset. Retrieved 17/03/2023 http://data.bioregionalassessments.gov.au/dataset/0a064b3b-2a1e-4672-80d9-03333be67aad

Google Earth (Producer). (2023). Google Earth Pro v7.3.6. Retrieved from https://www.google.com.au/earth/

Government of Western Australia. (2019). 2018 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of March 2019. Retrieved from https://catalogue.data.wa.gov.au/dataset/dbca-statewide-vegetation-statistics

GSWA, Geological Survey of Western Australia. (2020a). *1:500 000 State regolith geology of Western Australia: Geological Survey of Western Australia, digital data layer*.

GSWA, Geological Survey of Western Australia. (2020b). *1:500,000 State interpreted bedrock geology of Western Australia*.

Hill, S. J., Tung, P. J., & Leishman, M. R. (2005). Relationships between anthropogenic disturbance, soil properties and plant invasion in endangered Cumberland Plain Woodland, Australia. *Austral Ecology, 30*(7), 775-788. doi:https://doi.org/10.1111/j.1442-9993.2005.01518.x

Hnatiuk, R. J., Thackway, R., & Walker, J. (2009). Vegetation. In The National Committee on Soil and Terrain (Ed.), *Australian Soil and Land Survey* (3rd ed.). Collingwood, Victoria: CSIRO Publishing.

Karlka Nyiyaparli, Aboriginal Corporation. (2022). Karlka Nyiyaparli Aboriginal Corporation (custom search). Retrieved from https://www.karlka.com.au/

Keighery, B. J. (1994). *Bushland plant survey: A guide to plant community surveys for the community*. Nedlands, WA: Wildflower Society of Western Australia (Inc.).

Kendrick, P. (2003). Pilbara 3 (PIL3 - Hamersley subregion). In J. E. May & N. L. McKenzie (Eds.), *A biodiversity audit of Western Australia's 53 biogeographic subregions in 2002* (pp. 568-580). Kensington, WA: Department of Conservation and Land Management.

Keybase. (2020). Royal Botanic Garden, State Government of Victoria. Retrieved from http://keybase.rbg.vic.gov.au

Landgate. (2021). WA regional aerial photography mosaic (LGATE-321). Retrieved from: https://catalogue.data.wa.gov.au/dataset/wa-regional-aerial-photography-mosaic

Leighton, K. A. (2004). Climate. In A. M. E. van Vreeswyk, A. L. Payne, K. A. Leighton, & P. Hennig (Eds.), *An inventory and condition survey of the Pilbara region, Western Australia. Technical Bulletin No. 92*. Perth, Western Australia: Western Australian Department of Agriculture.

Mabbutt, J. A., Litchfield, W. H., Speck, N. H., Wright, R. L., Wilcox, D. G., Arnold, J. M., . . . Sofoulis, J. (1963). *General report on lands of the Wiluna–Meekatharra area, Western Australia, 1958*. Land Research Series. CSIRO, Melbourne, VIC.

Maslin, B. R. (2018). WATTLE, Interactive Identification of Australian *Acacia*. Version 3. Retrieved from https://apps.lucidcentral.org/wattle/text/intro/

Maslin, B. R., O'Leary, M., Reid, J. E., & Miller, J. T. (2012). The type of *Acacia aneura* (Mulga: Fabaceae) and ambiguities concerning the application of this name. *Nuytsia, 22*(4), 269-294.

Maslin, B. R., & Reid, J. E. (2012). A taxonomic revision of Mulga (*Acacia aneura* and its close relatives: Fabaceae) in Western Australia. *Nuytsia, 22*(4), 129-267.

Mattiske. (2009). *Flora and vegetation of the Hope Downs 1 area*. Unpublished report prepared for Rio Tinto Iron Ore Pty Ltd. Mattiske Consulting. Kalamunda, WA.

Mattiske. (2013). *Review of Condition of Flora and Vegetation along Weeli Wolli, Mindy Mindy and Coondiner Creeklines*. Unpublished report prepared for Rio Tinto. Mattiske Consulting, Kalamunda, WA.

Mattiske. (2014a). *2014 Assessment of Flora and Vegetation Condition Along Weeli Wolli Creekline*. Unpublished report prepared for Rio Tinto. Mattiske Consulting, Kalamunda, WA.

Mattiske. (2014b). *Review of Condition of Flora and Vegetation along Weeli Wolli, Mindy Mindy and Coondiner Creeklines*. Unpublished report prepared for Rio Tinto. Mattiske Consulting, Kalamunda, WA.

Mattiske. (2019). *Flora and vegetation assessment Woodie Woodie Minesite Expansion: Groundwater dependent ecosystems survey*. Unpublished report prepared for MBS Environmental. Mattiske Consulting, Kalamunda, WA.

McKenzie, N. L., van Leeuwen, S., & Pinder, A. M. (2009). Introduction to the Pilbara biodiversity survey, 2002-2007. *Records of the Western Australian Museum Supplement, 78*, 3-89.

NAFI, North Australia & Rangelands Fire Information. (2024). North Australia & Rangelands Fire Information. Retrieved from https://firenorth.org.au/nafi3/

Northcote, K. H., Beckmann, G. G., Bettenay, E., Churchward, H. M., Van Dijk, D. C., Dimmock, G. M., . . . Wright, M. J. (Cartographer). (1960-1968). Atlas of Australian soils, sheets 1 to 10, with explanatory data. Retrieved from http://www.asris.csiro.au/themes/Atlas.html#Atlas_References

NRSTG, National Reserve System Task Group. (2009). *Australia's Strategy for the National Reserve System 2009 - 2030*. Canberra, Australian Capital Territory. Australian Government.

NVIS Technical Working Group. (2017). *Australian vegetation attribute manual: National vegetation information system, Version 7.0* (Department of the Environment and Energy Ed.). Canberra, ACT: Department of the Environment and Energy.

Onshore. (2011). *Flora and vegetation survey Area C and surrounds*. Unpublished report prepared for BHP Billiton Iron Ore. Onshore Environmental Consultants. Yallingup, WA.

Onshore. (2012a). *Flora and Vegetation Survey of the Weeli Wolli Spring Priority Ecological Community*. Unpublished report prepared for BHP Billiton Iron Ore Pty Ltd.

Onshore. (2012b). *Jinidi Iron Ore Project Flora and Vegetation Review*. Unpublished report to BHP Billiton Iron Ore Pty Ltd. Onshore Environmental Consultants, Yallingup, WA.

Onshore. (2012c). *Jinidi to Mainline Study Area Flora and Vegetation Survey*. Unpublished report to BHP Billiton Iron Ore Pty Ltd. Onshore Environmental Consultants, Yallingup, WA.

Onshore. (2012d). *Level 2 flora and vegetation survey South Flank*. Unpublished report prepared for BHP Billiton Iron Ore. Onshore Environmental Consultants. Yallingup, WA.

Onshore. (2014). *Mining Area C Review of Flora and Vegetation Baseline Information*. Onshore Environmental Consultants,

Onshore. (2016). *Ethel Creek and Marillana pastoral leases: flora and vegetation desktop assessments*. Unpublished report prepared for BHP Billiton Iron Ore.

Onshore. (2017). *Reconnaissance flora and vegetation survey and fauna assessment Newman to Mining Area C powerline corridor*. Onshore Environmental,

Onshore, & Biologic. (2009). *Biological survey: South Parmelia exploration leases*. Unpublished report prepared for BHP Billiton Iron Ore. Onshore Environmental Consultants & Biologic Environmental Survey. Yallingup, WA.

Page, G. F. M., & Grierson, P. F. (2012). *Designing new monitoring programs for Mulga woodlands - lessons learned from the Pilbara*. Paper presented at the Proceedings of the 17th Australian Rangeland Society Biennial Conference.

Payne, A. L., Mitchell, A. A., & Holman, W. F. (1988). *An inventory and condition survey of rangelands in the Ashburton River catchment, Western Australia*. South Perth, WA: Western Australian Department of Agriculture.

Pilbara Flora. (2009). *Flora and vegetation survey of hydrological drill targets at Jinayri North*. Unpublished report to BHP Billiton Iron Ore Pty Ltd. Pilbara Flora. Perth, WA.

R Core Team. (2024). R: A language and environment for statistical computing (Version 4.2.2): R Foundation for Statistical Computing. Retrieved from https://www.R-project.org/

Rio Tinto. (2018a). *Addendum to; Assessment of groundwater dependent vegetation distribution on the Robe River: Targeted riparian vegetation survey – Stage 1: Groundwater dependent vegetation distribution within Jimmawurrada Creek - Targeted riparian vegetation survey. High confidence mapping of the distribution of obligate and facultative phreatophytic vegetation*. Unpublished internal report. Rio Tinto Iron Ore, Perth, WA.

Rio Tinto. (2018b). *Assessment of groundwater dependent vegetation distribution on the Robe River: Targeted riparian vegetation survey – Stage 1: High confidence mapping of the distribution of obligate and facultative phreatophytic vegetation between Mesa A and East Deepdale deposits on the Robe River*. Unpublished internal report. Rio Tinto Iron Ore, Perth, WA.

Rio Tinto. (2020a). *Greater Paraburdoo Iron Ore Proposal: Riparian Vegetation and Associated Groundwater Dependent Ecosystems - Targeted Survey of the Greater Paraburdoo Operations*. Unpublished report prepared for Rio Tinto Iron Ore. Rio Tinto Iron Ore, Perth, WA.

Rio Tinto. (2020b). *Riparian vegetation and associated groundwater dependent ecosystems - Targeted Survey of the Greater Paraburdoo Operations*. Rio Tinto Iron Ore, Perth, WA.

Rio Tinto. (2023). *Targeted riparian survey of the Greater Hope Downs 1 Area*. Unpublished report prepared on behalf of Hamersley HMS Pty Ltd. Rio Tinto Iron Ore, Perth, WA.

Rio Tinto, & WAH, Western Australian Herbarium, (Producer). (2015). Rare and Priority plants of the Pilbara.

RNTBC, B. N. T. A. C. (2013). Banjima Native Title Aboriginal Corporation (custom search). Retrieved from https://bntac.org.au/

Saco, P. M., Willgoose, G. R., & Hancock, G. R. (2007). Eco-geomorphology of banded vegetation patterns in arid and semi-arid regions. *Hydrology and Earth System Sciences, 11*, 1717-1730.

Shepherd, D. P., Beeston, G. R., & Hopkins, A. J. M. (2002). *Native vegetation in Western Australia: Extent, type and status*. Perth, Western Australia: Western Australian Department of Agriculture.

Specht, R. L., & Specht, A. (1999). *Australian plant communities: Dynamics of structure, growth and biodiversity*. Oxford, UK: Oxford University Press.

Thackway, R., & Cresswell, I. (1995). *An interim biogeographical regionalisation for Australia: A framework for setting priorities in the National Reserves System Cooperation Plan*. Canberra, ACT: Australian Nature Conservation Agency.

Thompson, G. G., & Withers, P. C. (2003). Effect of species richness and relative abundance on the shape of the species accumulation curve. *Austral Ecology, 28*, 355-360.

Thompson, G. G., Withers, P. C., Pianka, E. R., & Thompson, S. A. (2003). Assessing biodiversity with species accumulation curves; inventories of small reptiles by pit-trapping in Western Australia. *Austral Ecology, 28*, 361-383.

Trudgen, M. (1984). *Flora and vegetation survey of the Weeli Wolli Creek area*. Unpublished report prepared for the Mount Newman Mining Company. Malcolm Trudgen Consultant Botanist. Subiaco, WA.

Trudgen, M. E. (1988). *A report on the flora and vegetation of the Port Kennedy area*. Unpublished report prepared for Bowman Bishaw and Associates, West Perth. Malcolm Trudgen Consultant Botanist. Subiaco, WA.

van der Meulen, A. W., & Sindel, B. M. (2008). Identifying and exploring pathways of weed spread within Australia: A literature review. In *UNE61 – Pathway risk analysis for weed spread within Australia*. Armidale, NSW: University of New England.

van Leeuwen, S. (2009). *Biodiversity values of Weeli Wolli Spring: A priority ecological community*. Science Division, DEC, Bentley, WA.

van Vreeswyk, A. M. E., Payne, A. L., Leighton, K. A., & Hennig, P. (2004). *An inventory and condition survey of the Pilbara region, Western Australia*. South Perth, WA: Department of Agriculture Western Australia.

WAH, Western Australian Herbarium. (1998 -). Florabase—the Western Australian Flora. from Department of Biodiversity, Conservation and Attractions https://florabase.dpaw.wa.gov.au/

WAH, Western Australian Herbarium. (2015). *Western Australian Herbarium specimen lodgement guidelines*. Department of Biodiversity, Conservation and Attractions. Kensington, WA.

Wilson, P., Rowe, R., Lowrie, A., & Kenneally, K. F. (1998). Three new triggerplant species in Stylidium subgenus Centridium (Stylidiaceae) from Western Australia. *Nuytsia, 12*(2), 197-206.

Winkworth, R. E. (1973). Eco-physiology of Mulga (*Acacia aneura*). *Tropical Grasslands, 7*(1), 43-48.

Woodman. (2010). *Area C to Jinayri to Mount Newman Railway Flora and Vegetation Survey*. Unpublished report to BHP Billiton Iron Ore Pty Ltd. Woodman Environmental Consulting, Applecross, WA.

Appendix A: State and commonwealth conservation codes

Environment Protection and Biodiversity Conservation Act 1999

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

Category	Definition
Threatened Ecological Communities (TEC)	
Critically Endangered	An ecological community is eligible to be included in the critically endangered category at a particular time if, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria.
Endangered	An ecological community is eligible to be included in the endangered category at a particular time if, at that time: (a) it is not critically endangered; and (b) it is facing a very high risk of extinction in the wild in the near future, as determined in accordance with the prescribed criteria.
Vulnerable	An ecological community is eligible to be included in the vulnerable category at a particular time if, at that time: (a) it is not critically endangered nor endangered; and (b) it is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.

Biodiversity Conservation Act 2016

Category	Definition
Threatened Flora Species	
Critically Endangered (CR)	Threatened species considered to be "facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with criteria set out in the ministerial guidelines". Published under schedule 1 of the *Wildlife Conservation (Rare Flora) Notice 2018* for critically endangered flora.
Endangered (EN)	Threatened species considered to be "facing a very high risk of extinction in the wild in the near future, as determined in accordance with criteria set out in the ministerial guidelines". Published under schedule 2 of the *Wildlife Conservation (Rare Flora) Notice 2018* for endangered flora.
Vulnerable (VU)	Threatened species considered to be "facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with criteria set out in the ministerial guidelines". Published under schedule 3 of the Wildlife Conservation (Rare Flora) Notice 2018 for vulnerable flora.
Extinct (EX)	Species where "there is no reasonable doubt that the last member of the species has died", and listing is otherwise in accordance with the ministerial guidelines (section 24 of the BC Act). Published as

Category	Definition
	presumed extinct under schedule 4 of the Wildlife Conservation (Rare Flora) Notice 2018 for extinct flora.
Extinct in the Wild (EW)	Species that "is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; and it has not been recorded in its known habitat or expected habitat, at appropriate seasons, anywhere in its past range, despite surveys over a time frame appropriate to its life cycle and form", and listing is otherwise in accordance with the ministerial guidelines (section 25 of the BC Act). Currently there are no threatened flora species listed as extinct in the wild.
Threatened Ecological Communities (TEC)	
Critically Endangered (CR)	An ecological community is eligible for listing in the category of critically endangered ecological community at a particular time if, at that time — (a) it is facing an extremely high risk of becoming eligible for listing as a collapsed ecological community in the immediate future, as determined in accordance with criteria set out in the ministerial guidelines; and (b) listing in that category is otherwise in accordance with the ministerial guidelines.
Endangered (EN)	An ecological community is eligible for listing in the category of endangered ecological community at a particular time if, at that time — (a) it is not a critically endangered ecological community; and (b) it is facing a very high risk of becoming eligible for listing as a collapsed ecological community in the near future, as determined in accordance with criteria set out in the ministerial guidelines; and (c) listing in that category is otherwise in accordance with the ministerial guidelines.
Vulnerable (VU)	An ecological community is eligible for listing in the category of vulnerable ecological community at a particular time if, at that time — (a) it is not a critically endangered ecological community or an endangered ecological community; and (b) it is facing a high risk of becoming eligible for listing as a collapsed ecological community in the medium-term future, as determined in accordance with criteria set out in the ministerial guidelines; and (c) listing in that category is otherwise in accordance with the ministerial guidelines.
Collapsed	An ecological community is eligible for listing as a collapsed ecological community at a particular time if, at that time — (a) there is no reasonable doubt that the last occurrence of the ecological community has collapsed; or (b) the ecological community has been so extensively modified throughout its range that no occurrence of it is likely to recover — (i) its species composition or structure; or (ii) its species composition and structure.

Department of Biodiversity, Conservation and Attractions Priority Definitions

Category	Definition
Priority Flora Species	
Priority 1 (P1)	Poorly-known Species Species that are known from one or a few locations (generally five or less) which are potentially at risk. All occurrences are either: very small; or on lands not managed for conservation, e.g., agricultural, or pastoral lands, urban areas, road and rail reserves, gravel reserves and active mineral leases; or otherwise under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes. Such species are in urgent need of further survey.
Priority 2 (P2)	Poorly-known Species Species that are known from one or a few locations (generally five or less), some of which are on lands managed primarily for nature conservation, e.g., national parks, conservation parks, nature reserves and other lands with secure tenure being managed for conservation. Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes. Such species are in urgent need of further survey.
Priority 3 (P3)	Poorly-known Species Species that are known from several locations, and the species does not appear to be under imminent threat, or from few but widespread locations with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Species may be included if they are comparatively well known from several locations but do not meet adequacy of survey requirements and known threatening processes exist that could affect them. Such species are in need of further survey.
Priority 4 (P4)	Rare, Near Threatened and other species in need of monitoring (a) Rare. Species that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection but could be if present circumstances change. These species are usually represented on conservation lands. (b) Near Threatened. Species that are considered to have been adequately surveyed and that are close to qualifying for vulnerable but are not listed as Conservation Dependent. (c) Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.

Category	Definition
Priority Ecological Communities (PEC)	
Priority 1 (P1)	Poorly-known ecological communities Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤5 occurrences or a total area of ≤ 100ha). Occurrences are believed to be under threat either due to limited extent, or being on lands under immediate threat (e.g., within agricultural or pastoral lands, urban areas, active mineral leases) or for which current threats exist. May include communities with occurrences on protected lands. Communities may be included if they are comparatively well-known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under immediate threat from known threatening processes across their range.
Priority 2 (P2)	Poorly-known Ecological Communities Communities that are known from few occurrences with a restricted distribution (generally ≤10 occurrences or a total area of ≤200ha). At least some occurrences are not believed to be under immediate threat (within approximately 10 years) of destruction or degradation. Communities may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under threat from known threatening processes.
Priority 3 (P3)	Poorly-known Ecological Communities (i) Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or: (ii) communities known from a few widespread occurrences, which are either large or with significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat (within approximately 10 years), or; (iii) communities made up of large, and/or widespread occurrences, which may or may not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, inappropriate fire regimes, clearing, hydrological change etc. Communities may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and/or are not well defined, and known threatening processes exist that could affect them.

Category	Definition
Priority 4 (P4)	Ecological communities that are adequately known, rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list. These communities require regular monitoring. (i) Rare. Ecological communities known from few occurrences that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection but could be if present circumstances change. These communities are usually represented on conservation lands. (ii) Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for a higher threat category. (iii) Ecological communities that have been removed from the list of threatened communities during the past five years.
Priority 5 (P5)	Conservation Dependent Ecological Communities Ecological communities that are not threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming threatened within five years.

Furthermore, any species or ecological communities that may be rare but for which there is insufficient information available to allocate a threatened status under the BC Act, can also be listed as Priority species by the WA Department of Biodiversity, Conservation and Attractions (DBCA)

Significant flora may extend beyond the assigned codes and in line with EPA (2016b) may include:

- Being identified as Threatened, Critically Endangered, Endangered, Vulnerable, Extinct or Extinct in the Wild species (State listed BC Act and/or commonwealth listed EPBC Act);
- Being listed as Priority flora species (DBCA, 2023f);
- Locally endemic or associated with a restricted habitat type (e.g., surface water or groundwater dependent ecosystems);
- New species or anomalous features that indicate a potential new species;
- Range extensions or representative of outer population extent (particularly at the extremes of range, recently discovered range extensions or isolated outliers of the main range);
- Unusual species; restricted subspecies, varieties, naturally occurring hybrids, or complex taxonomic groups; or
- Relictual status, being representative of taxonomic groups that no longer occur widely in the broader landscape.

Significant vegetation may extend beyond the assigned codes and in line with EPA (2016b) may include:

- Being identified as Threatened Ecological Community (TEC), Critically Endangered, Endangered, Vulnerable or Collapsed ecological community (State listed BC Act and/or commonwealth listed EPBC Act);
- Identified as a Priority Ecological Community (PEC) (DBCA, 2023c);
- Restricted or endemic distribution;
- Degree of historical impact from threatening processes (such as mining or agricultural);
- A role as a refuge for significant flora; or
- Providing an important function required to maintain ecological integrity of a significant ecosystem.

Introduced flora

Legal Status Definitions of Listed Plants in Western Australia

Legal status	Definition
Declared Pest, Prohibited – s12	Prohibited organisms are declared pests by virtue of section 22(1) and many only be imported and keep subject to permits
Declared Pest – s22(2)	Declared pests must satisfy any applicable import requirements when imported and may be subject to control keeping requirements
Permitted – s11	Permitted organisms must satisfy applicable import requirements and import permits (where required)
Permitted Requires Permit – r73	Regulation 73 permitted organisms may be subject to restriction under legislation other and the BAM Act (2007)
Unlisted	Unlisted organisms are prohibited in WA
Control Categories	**Definition**
C1 Exclusion	Organisms should be excluded from parts or all of WA
C2 Eradication	Organisms should be eradicated from all or parts of WA
C3 Management	Organisms should have some form of management applied that will alleviate the harmful impact of the organism, reduce the numbers or distribution of the organism or prevent or contain the spread of the organism
Unassigned	Declared pests that are recognised a having a harmful impact under certain circumstances where their subsequent control requirements are determined by a plan or other legislative arrangements under the Act
Keeping Categories	**Definition**
Prohibited Keeping	Can only be kept under a permit or public display, education or scientific purposes
Restricted Keeping	Kept under a permit by private individuals due to low risk of becoming a problem for the environment
Exempt Keeping	No permit or conditions are required for keeping. Organism may be subject to restrictions under the Wildlife Conservation Act (1950)

Appendix B: Database search results

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
Acanthaceae	*Dicladanthera forrestii*	•	•	•							
	Dipteracanthus australasicus		•	•							
	Dipteracanthus australasicus subsp. *australasicus*	•	•								
	Rostellularia adscendens	•		•							
	Rostellularia adscendens var. *clementii*		•								
	Rostellularia adscendens var. *latifolia*	•			•			P3			
Aizoaceae	*Trianthema glossostigmum*	•	•	•							
	Trianthema pilosum	•	•	•							
	Trianthema triquetrum	•	•								
Alismataceae	*Sagittaria platyphylla*						•				Yes
Amaranthaceae	*Achyranthes aspera*		•								
	Aerva javanica	•	•	•							Yes
	Alternanthera angustifolia	•	•	•							
	Alternanthera denticulata	•	•	•							
	Alternanthera nana	•	•	•							
	Alternanthera nodiflora	•	•								
	Amaranthus centralis	•		•	•			P3			
	Amaranthus cuspidifolius	•	•	•							
	Amaranthus induratus	•									
	Amaranthus interruptus	•	•								
	Amaranthus mitchellii		•								
	Amaranthus undulatus	•	•	•							
	Gomphrena affinis	•									
	Gomphrena affinis subsp. *pilbarensis*		•								
	Gomphrena canescens	•	•	•							
	Gomphrena canescens subsp. *canescens*	•	•								
	Gomphrena cunninghamii	•	•	•							
	Gomphrena kanisii	•	•	•							
	Gomphrena lanata	•		•							
	Ptilotus aervoides	•	•	•							
	Ptilotus arthrolasius		•	•							
	Ptilotus astrolasius	•	•	•							
	Ptilotus auriculifolius	•	•	•							
	Ptilotus calostachyus	•	•	•							
	Ptilotus carinatus	•	•	•							
	Ptilotus clementii	•	•	•							
	Ptilotus drummondii	•		•							
	Ptilotus exaltatus	•	•								
	Ptilotus fusiformis	•	•	•							
	Ptilotus gaudichaudii	•	•	•							
	Ptilotus gomphrenoides	•	•	•							
	Ptilotus helipteroides	•	•	•							
	Ptilotus incanus	•		•							
	Ptilotus latifolius		•								
	Ptilotus mollis	•		•	•			P4			
	Ptilotus nobilis	•		•							
	Ptilotus obovatus	•	•	•							
	Ptilotus obovatus var. *obovatus*		•								
	Ptilotus polystachyus	•	•	•							
	Ptilotus roei	•	•	•							
	Ptilotus rotundifolius	•	•	•							
	Ptilotus schwartzii	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Ptilotus schwartzii var. *schwartzii*		•								
	Ptilotus xerophilus		•	•							
Apiaceae	*Cyclospermum leptophyllum*	•		•							Yes
Apocynaceae	*Calotropis procera*						•				Yes
	Cryptostegia madagascariensis						•				Yes
	Cynanchum floribundum	•	•	•							
	Cynanchum viminale	•		•							
	Cynanchum viminale subsp. *australe*		•								
	Gymnanthera cunninghamii	•		•	•			P3			
	Leichhardtia australis	•									
	Vincetoxicum flexuosum		•	•							
	Vincetoxicum lineare	•	•	•							
Araceae	*Pistia stratiotes*						•				Yes
	Zantedeschia aethiopica						•				Yes
Araliaceae	*Astrotricha hamptonii*	•	•	•							
	Hydrocotyle ranunculoides						•				Yes
	Trachymene oleracea	•	•	•							
	Trachymene oleracea subsp. *oleracea*	•	•								
	Trachymene pilbarensis	•	•								
Arecaceae	*Phoenix dactylifera*		•								Yes
	Washingtonia filifera		•								Yes
Asparagaceae	*Asparagus asparagoides*						•				Yes
	Thysanotus exiliflorus	•									
Asphodelaceae	*Bulbine pendula*	•	•	•							
Asteraceae	*Apowollastonia hamersleyensis*	•	•	•							
	Bidens bipinnata	•	•	•							Yes
	Bidens subalternans var. *simulans*	•									Yes
	Blumea tenella		•								
	Brachyscome ciliaris	•	•								
	Brachyscome iberidifolia		•	•							
	Calocephalus beardii		•	•							
	Calocephalus francisii	•									
	Calocephalus knappii			•							
	Calocephalus multiflorus	•	•								
	Calocephalus pilbarensis	•	•	•							
	Calotis hispidula		•	•							
	Calotis multicaulis	•	•	•							
	Calotis plumulifera	•	•	•							
	Calotis porphyroglossa		•								
	Calotis squamigera	•		•	•			P1			
	Centaurea melitensis		•								Yes
	Centipeda crateriformis subsp. *crateriformis*		•								
	Centipeda minima		•	•							
	Centipeda minima subsp. *macrocephala*	•	•								
	Centipeda thespidioides	•	•								
	Chondrilla juncea						•				Yes
	Chrysocephalum apiculatum		•	•							
	Chrysocephalum apiculatum subsp. *pilbarense*	•	•								
	Chrysocephalum eremaeum		•								
	Chrysocephalum gilesii	•	•	•							
	Chrysocephalum pterochaetum	•	•	•							
	Emilia sonchifolia			•							Yes

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Erigeron bonariensis	•	•	•							Yes
	Erigeron canadensis			•							Yes
	Flaveria trinervia	•	•	•							Yes
	Gnephosis arachnoidea	•		•							
	Ixiochlamys cuneifolia	•	•	•							
	Lactuca saligna			•							Yes
	Lactuca serriola	•	•	•							Yes
	Lactuca serriola forma serriola		•								Yes
	Leiocarpa semicalva subsp. *semicalva*		•								
	Leiocarpa tomentosa	•									
	Minuria leptophylla	•	•	•							
	Myriocephalus oldfieldii	•	•								
	Myriocephalus scalpellus				•	•		P1			
	Olearia fluvialis	•	•	•							
	Olearia mucronata				•	•		P3			
	Olearia stuartii	•	•	•							
	Olearia xerophila	•		•							
	Onopordum acaulon						•				Yes
	Pentalepis trichodesmoides		•	•							
	Pentalepis trichodesmoides subsp. *trichodesmoides*	•									
	Peripleura arida	•	•	•							
	Peripleura hispidula var. *hispidula*		•								
	Peripleura hispidula var. *setosa*		•								
	Peripleura obovata	•	•								
	Peripleura virgata	•	•								
	Pilbara trudgenii	•		•	•	•		P3			
	Pluchea dentex	•	•	•							
	Pluchea dunlopii		•								
	Pluchea ferdinandi-muelleri	•	•	•							
	Pluchea rubelliflora		•								
	Pluchea tetranthera		•								
	Podolepis eremaea	•		•							
	Podolepis remota	•									
	Pseudognaphalium luteoalbum	•	•	•							
	Pterocaulon serrulatum		•	•							
	Pterocaulon serrulatum var. *velutinum*	•	•								
	Pterocaulon sphacelatum	•	•	•							
	Pterocaulon sphaeranthoides	•	•	•							
	Rhodanthe charsleyae	•	•	•							
	Rhodanthe citrina		•								
	Rhodanthe floribunda	•	•	•							
	Rhodanthe humboldtiana	•	•	•							
	Rhodanthe margarethae	•	•	•							
	Rhodanthe polakii	•		•							
	Rhodanthe propinqua	•	•	•							
	Rhodanthe sterilescens	•	•								
	Roebuckiella ciliocarpa	•	•	•							
	Roebuckiella oncocarpa		•	•							
	Roebuckiella similis	•	•	•							
	Rutidosis helichrysoides	•	•								
	Rutidosis helichrysoides subsp. *helichrysoides*		•								
	Schoenia ayersii	•		•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Senecio hamersleyensis			•							
	Senecio magnificus	•	•	•							
	Sigesbeckia orientalis	•	•	•							Yes
	Silybum marianum						•				Yes
	Sonchus asper		•	•							Yes
	Sonchus oleraceus	•	•	•							Yes
	Streptoglossa adscendens	•									
	Streptoglossa bubakii	•	•	•							
	Streptoglossa decurrens	•	•	•							
	Streptoglossa liatroides	•	•	•							
	Streptoglossa macrocephala	•	•								
	Streptoglossa odora		•								
	Streptoglossa sp. Cracking clays (S. van Leeuwen et al. PBS 7353)			•	•			P3			
	Streptoglossa tenuiflora		•								
	Symphyotrichum squamatum	•		•							Yes
	Taraxacum khatoonae	•	•	•							Yes
	Tridax procumbens	•	•	•							Yes
	Vittadinia dissecta			•							
	Vittadinia dissecta var. *hirta*	•	•								
	Vittadinia eremaea	•	•	•							
	Vittadinia sp. Coondewanna Flats (S. van Leeuwen 4684)	•			•	•		P3			
	Xanthium spinosum						•				Yes
	Xerochrysum boreale	•						P3			
	Xerochrysum interiore	•		•							
	Xerochrysum macranthum	•		•							
Bignoniaceae	*Pandorea doratoxylon*			•							
	Pandorea pandorana	•									
Boraginaceae	*Echium plantagineum*						•				Yes
	Ehretia saligna		•								
	Euploca chrysocarpa	•		•							
	Euploca conocarpa		•								
	Euploca cunninghamii	•	•	•							
	Euploca glabella	•	•	•							
	Euploca heterantha	•	•	•							
	Euploca inexplicita	•	•	•							
	Euploca ovalifolia	•	•	•							
	Euploca pachyphylla	•	•	•							
	Euploca skeleton	•		•							
	Euploca tenuifolia	•	•	•							
	Halgania cyanea	•	•	•							
	Halgania cyanea var. Allambi Stn (B.W. Strong 676)	•									
	Halgania gustafsenii	•	•								
	Halgania gustafsenii var. *gustafsenii*	•	•								
	Halgania gustafsenii var. Mid West (G. Perry 370)	•	•								
	Halgania solanacea var. Mt Doreen (G.M. Chippendale 4206)	•									
	Trichodesma zeylanicum	•	•	•							
	Trichodesma zeylanicum var. *zeylanicum*	•	•								
Brassicaceae	*Cuphonotus andraeanus*			•							
	Lemphoria andraeana		•								
	Lepidium catapycnon	•		•	•	•		P4			
	Lepidium echinatum	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Lepidium muelleri-ferdinandii	•	•	•							
	Lepidium oxytrichum	•	•	•							
	Lepidium pedicellosum	•	•	•							
	Lepidium phlebopetalum	•	•	•							
	Lepidium pholidogynum	•	•	•							
	Lepidium platypetalum		•								
	Menkea villosula	•		•							
	Rorippa sp. Fortescue Valley (M.N. Lyons & R.A. Coppen FV 0760)			•				P1			
	Sisymbrium orientale		•								Yes
	Stenopetalum anfractum	•	•								
	Stenopetalum decipiens	•									
	Stenopetalum nutans	•	•	•							
	Stenopetalum pedicellare	•	•								
	Stenopetalum velutinum		•								
Cactaceae	*Austrocylindropuntia cylindrica*						•				Yes
	Austrocylindropuntia subulata						•				Yes
	Cylindropuntia fulgida						•				Yes
	Cylindropuntia imbricata						•				Yes
	Cylindropuntia kleiniae						•				Yes
	Cylindropuntia pallida						•				Yes
	Cylindropuntia tunicata						•				Yes
	Opuntia elata						•				Yes
	Opuntia elatior						•				Yes
	Opuntia engelmannii						•				Yes
	Opuntia ficus-indica						•				Yes
	Opuntia microdasys						•				Yes
	Opuntia monacantha						•				Yes
	Opuntia polyacantha						•				Yes
	Opuntia puberula						•				Yes
	Opuntia stricta						•				Yes
	Opuntia tomentosa						•				Yes
Campanulaceae	*Isotoma petraea*	•									
	Lithotoma petraea		•								
	Lobelia arnhemiaca	•	•	•							
	Lobelia heterophylla		•	•							
	Lobelia heterophylla subsp. *pilbarensis*	•	•								
	Wahlenbergia gracilenta		•								
	Wahlenbergia tumidifructa	•	•	•							
Capparaceae	*Capparis lasiantha*	•	•	•							
	Capparis mitchellii		•								
	Capparis spinosa	•	•	•							
	Capparis spinosa subsp. *nummularia*		•								
	Capparis umbonata		•								
Caryophyllaceae	*Polycarpaea corymbosa*	•	•	•							
	Polycarpaea corymbosa var. *corymbosa*	•	•								
	Polycarpaea holtzei	•	•	•							
	Polycarpaea involucrata	•									
	Polycarpaea longiflora	•	•	•							
Celastraceae	*Denhamia cunninghamii*		•								
	Maytenus sp. Mt Windell (S. van Leeuwen 846)	•	•								
	Stackhousia intermedia		•								
	Stackhousia monogyna		•								

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Stackhousia muricata		•	•							
	Stackhousia muricata subsp. annual (W.R. Barker 2172)	•									
	Stackhousia sp. swollen gynophore (W.R. Barker 2041)	•	•	•							
Chenopodiaceae	*Atriplex flabelliformis*	•			•			P3			
	Atriplex semilunaris	•		•							
	Chenopodium auricomum	•		•							
	Chenopodium gaudichaudianum		•								
	Dissocarpus paradoxus	•	•								
	Dysphania cristata			•							
	Dysphania glomulifera		•								
	Dysphania glomulifera subsp. *eremaea*		•								
	Dysphania kalpari	•	•	•							
	Dysphania melanocarpa	•	•	•							
	Dysphania melanocarpa forma *leucocarpa*	•									
	Dysphania melanocarpa forma *melanocarpa*	•	•								
	Dysphania plantaginella		•								
	Dysphania rhadinostachya	•	•	•							
	Dysphania rhadinostachya subsp. *inflata*	•									
	Dysphania rhadinostachya subsp. *rhadinostachya*	•	•								
	Enchylaena tomentosa	•	•	•							
	Enchylaena tomentosa var. *tomentosa*	•	•								
	Maireana carnosa	•		•							
	Maireana georgei	•	•	•							
	Maireana lanosa		•								
	Maireana luehmannii	•									
	Maireana melanocoma	•	•	•							
	Maireana planifolia	•	•	•							
	Maireana planifolia x *villosa*	•									
	Maireana pyramidata	•	•								
	Maireana thesioides	•		•							
	Maireana tomentosa		•								
	Maireana triptera	•	•								
	Maireana villosa	•	•	•							
	Rhagodia eremaea	•	•	•							
	Rhagodia sp. Hamersley (M. Trudgen 17794)	•			•	•		P3			
	Salsola australis	•	•	•							
	Sclerolaena convexula	•	•								
	Sclerolaena cornishiana	•	•	•							
	Sclerolaena costata	•									
	Sclerolaena cuneata	•									
	Sclerolaena densiflora	•	•	•							
	Sclerolaena diacantha	•									
	Sclerolaena lanicuspis	•									
	Sclerolaena tetragona	•	•	•							
	Tecticornia halocnemoides	•									
	Tecticornia medusa				•			P3			
Cleomaceae	*Areocleome oxalidea*	•		•							
	Arivela viscosa	•	•	•							
Commelinaceae	*Commelina ensifolia*	•	•	•							
Convolvulaceae	*Bonamia erecta*	•	•	•							
	Bonamia media	•	•								
	Bonamia pilbarensis	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Bonamia rosea		•								
	Convolvulus clementii	•	•	•							
	Convolvulus remotus		•								
	Cuscuta victoriana	•	•								
	Duperreya commixta	•	•	•							
	Evolvulus alsinoides	•	•	•							
	Evolvulus alsinoides var. *decumbens*		•								
	Evolvulus alsinoides var. *villosicalyx*	•	•								
	Ipomoea lonchophylla	•	•								
	Ipomoea muelleri	•	•	•							
	Ipomoea plebeia	•	•	•							
	Ipomoea polymorpha		•								
	Ipomoea racemigera	•		•	•			P3			
	Operculina aequisepala	•	•								
	Polymeria ambigua	•	•	•							
	Polymeria calycina		•								
	Polymeria distigma			•				P3			
	Polymeria lanata	•		•							
	Polymeria longifolia		•								
	Polymeria mollis		•	•							
Cucurbitaceae	*Austrobryonia pilbarensis*	•		•							
	Citrullus amarus		•								Yes
	Citrullus colocynthis		•								Yes
	Coccinia grandis						•				Yes
	Cucumis melo	•	•	•							
	Cucumis variabilis	•	•	•							
Cupressaceae	*Callitris columellaris*	•	•								
Cyperaceae	*Abildgaardia oxystachya*		•								
	Bulbostylis barbata	•	•	•							
	Bulbostylis turbinata	•	•	•							
	Cladium procerum			•	•			P2			
	Cyperus bifax		•								
	Cyperus bulbosus	•	•	•							
	Cyperus cunninghamii		•	•							
	Cyperus cunninghamii subsp. *cunninghamii*	•	•								
	Cyperus dactylotes		•								
	Cyperus difformis		•								
	Cyperus hesperius	•	•								
	Cyperus iria	•	•	•							
	Cyperus ixiocarpus	•	•	•							
	Cyperus leptocarpus		•								
	Cyperus pulchellus		•								
	Cyperus pygmaeus	•									
	Cyperus squarrosus	•	•	•							
	Cyperus vaginatus	•	•	•							
	Eleocharis atropurpurea	•	•	•							
	Eleocharis geniculata	•	•	•							
	Fimbristylis cardiocarpa	•									
	Fimbristylis dichotoma	•	•	•							
	Fimbristylis littoralis	•	•	•							
	Fimbristylis microcarya	•	•	•							
	Fimbristylis rara		•								

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Fimbristylis sieberiana	•		•	•	•		P3			
	Fimbristylis simulans	•	•	•							
	Fuirena ciliaris		•								
	Lipocarpha microcephala	•									
	Schoenoplectiella dissachantha	•	•								
	Schoenoplectiella laevis	•	•	•							
	Schoenoplectus subulatus	•	•	•							
Dilleniaceae	*Hibbertia glaberrima*	•	•	•							
Droseraceae	*Drosera finlaysoniana*		•	•							
Elaeocarpaceae	*Tetratheca fordiana*				•			P2			
Elatinaceae	*Bergia pedicellaris*	•	•								
	Bergia trimera	•	•	•							
Euphorbiaceae	*Adriana tomentosa*		•	•							
	Adriana tomentosa var. *hookeri*	•									
	Adriana tomentosa var. *tomentosa*	•	•								
	Euphorbia australis	•	•	•							
	Euphorbia australis var. *glabra*	•			•			P3			
	Euphorbia australis var. *hispidula*	•	•								
	Euphorbia australis var. *subtomentosa*	•	•								
	Euphorbia biconvexa	•	•	•							
	Euphorbia boophthona	•	•	•							
	Euphorbia careyi		•	•							
	Euphorbia coghlanii	•	•	•							
	Euphorbia drummondii	•	•	•							
	Euphorbia ferdinandi	•		•							
	Euphorbia ferdinandi var. *ferdinandi*	•									
	Euphorbia hirta		•								Yes
	Euphorbia inappendiculata var. *inappendiculata*				•			P3			
	Euphorbia schultzii		•								
	Euphorbia stevenii				•			P3			
	Euphorbia tannensis		•	•							
	Euphorbia tannensis subsp. *eremophila*	•	•								
	Euphorbia trigonosperma	•	•	•							
	Euphorbia vaccaria	•		•							
	Euphorbia vaccaria var. *erucoides*	•	•								
	Euphorbia vaccaria var. *vaccaria*	•									
	Euphorbia wheeleri	•	•	•							
	Jatropha gossypifolia						•				Yes
Fabaceae	*Acacia adoxa*		•	•							
	Acacia adoxa var. *adoxa*	•	•								
	Acacia adoxa var. *adoxa* x *spondylophylla*	•									
	Acacia adsurgens	•	•	•							
	Acacia adsurgens x *rhodophloia*			•							
	Acacia ampliceps	•	•								
	Acacia ancistrocarpa	•	•	•							
	Acacia ancistrocarpa x *citrinoviridis*	•									
	Acacia aneura	•	•	•							
	Acacia aneura x *incurvaneura*	•									
	Acacia aptaneura	•	•	•							
	Acacia aptaneura x *paraneura*	•									
	Acacia aptaneura x *pteraneura*	•									
	Acacia arida	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Acacia arida x *hilliana*	•									
	Acacia arrecta		•	•							
	Acacia atkinsiana	•	•								
	Acacia ayersiana	•	•	•							
	Acacia bivenosa	•	•	•							
	Acacia bromilowiana	•		•	•	•		P4			
	Acacia catenulata	•		•							
	Acacia catenulata subsp. occidentalis	•	•								
	Acacia citrinoviridis	•	•	•							
	Acacia colei		•								
	Acacia colei var. *colei*		•								
	Acacia colei var. *ileocarpa*	•	•								
	Acacia coriacea	•	•	•							
	Acacia coriacea subsp. *pendens*	•	•								
	Acacia cowleana	•	•	•							
	Acacia dictyophleba	•	•	•							
	Acacia distans	•									
	Acacia effusa	•			•	•		P3			
	Acacia elachantha	•	•	•							
	Acacia hamersleyensis	•	•	•							
	Acacia hilliana	•	•	•							
	Acacia inaequilatera	•	•	•							
	Acacia incurvaneura	•	•	•							
	Acacia kempeana	•	•	•							
	Acacia macraneura	•	•	•							
	Acacia maitlandii	•	•	•							
	Acacia marramamba	•	•	•							
	Acacia masliniana	•									
	Acacia melleodora	•	•	•							
	Acacia minyura	•	•								
	Acacia monticola	•	•	•							
	Acacia mulganeura	•		•							
	Acacia orthocarpa		•								
	Acacia pachyacra	•	•	•							
	Acacia paraneura	•	•	•							
	Acacia pruinocarpa	•	•	•							
	Acacia pteraneura	•	•	•							
	Acacia pyrifolia	•	•	•							
	Acacia pyrifolia var. *morrisonii*	•	•								
	Acacia pyrifolia var. *pyrifolia*	•	•								
	Acacia rhodophloia	•	•	•							
	Acacia rhodophloia x *sibirica*	•		•							
	Acacia sclerosperma		•	•							
	Acacia sclerosperma subsp. *sclerosperma*	•	•								
	Acacia sericophylla		•								
	Acacia sibilans	•		•							
	Acacia sibirica	•	•	•							
	Acacia spondylophylla	•	•	•							
	Acacia steedmanii			•							
	Acacia steedmanii subsp. *borealis*	•	•								
	Acacia subcontorta	•	•	•							
	Acacia subtiliformis	•		•	•	•		P3			

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Acacia synchronicia	•	•	•							
	Acacia tenuissima	•	•	•							
	Acacia tetragonophylla	•	•	•							
	Acacia trachycarpa	•	•								
	Acacia trudgeniana	•	•								
	Acacia tumida	•		•							
	Acacia tumida var. *pilbarensis*	•	•								
	Acacia tumida var. *tumida*		•								
	Acacia validinervia		•	•							
	Acacia victoriae		•								
	Acacia wanyu	•	•	•							
	Acacia wiseana	•									
	Acacia xiphophylla	•	•								
	Aeschynomene indica	•									
	Alhagi maurorum						•				Yes
	Alysicarpus muelleri	•	•	•							
	Cajanus cinereus		•								
	Crotalaria cunninghamii	•	•								
	Crotalaria medicaginea	•	•	•							
	Crotalaria medicaginea var. *neglecta*	•	•								
	Crotalaria novae-hollandiae	•	•	•							
	Crotalaria novae-hollandiae subsp. *novae-hollandiae*	•	•								
	Cullen cinereum	•		•							
	Cullen graveolens	•	•	•							
	Cullen leucanthum	•	•	•							
	Cullen leucochaites	•	•	•							
	Cullen martinii	•	•	•							
	Cullen pogonocarpum	•	•	•							
	Cullen stipulaceum		•								
	Daviesia eremaea	•		•							
	Desmodiopsis campylocaulon		•								
	Desmodium campylocaulon	•									
	Desmodium filiforme	•									
	Desmodium muelleri	•									
	Gastrolobium grandiflorum	•	•	•							
	Glycine canescens	•	•	•							
	Glycine falcata				•			P3			
	Glycine tabacina			•							
	Gompholobium karijini x *oreophilum*	•									
	Gompholobium oreophilum	•	•	•							
	Gompholobium polyzygum	•									
	Grona muelleri		•								
	Indigofera colutea	•	•								
	Indigofera fractiflexa		•	•							
	Indigofera fractiflexa subsp. *fractiflexa*	•	•								
	Indigofera georgei	•	•	•							
	Indigofera gilesii	•		•	•	•		P3			
	Indigofera hirsuta	•	•	•							
	Indigofera linifolia	•	•	•							
	Indigofera linnaei		•								
	Indigofera monophylla	•	•	•							
	Indigofera rugosa	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Indigofera trita	•									
	Isotropis atropurpurea	•	•	•							
	Isotropis forrestii			•				P1			
	Isotropis iophyta	•	•	•							
	Isotropis parviflora	•		•	•	•		P3			
	Kennedia prorepens	•									
	Leptosema chambersii		•								
	Lotus cruentus	•	•	•							
	Mirbelia viminalis	•	•	•							
	Neltuma glandulosa x *velutina*						•				Yes
	Neptunia dimorphantha		•								
	Neptunia gracilis	•	•								
	Neptunia longipila				•			P2			
	Parkinsonia aculeata						•				Yes
	Petalostylis cassioides	•	•								
	Petalostylis labicheoides	•	•	•							
	Rhynchosia australis	•	•	•							
	Rhynchosia bungarensis	•			•			P4			
	Rhynchosia minima	•	•								
	Senna alata						•				Yes
	Senna artemisioides	•	•	•							
	Senna artemisioides subsp. *filifolia*		•								
	Senna artemisioides subsp. *helmsii*	•	•								
	Senna artemisioides subsp. *oligophylla*	•	•								
	Senna artemisioides subsp. *oligophylla* x *glutinosa* subsp. *glutinosa*	•									
	Senna artemisioides subsp. *oligophylla* x *helmsii*		•								
	Senna artemisioides subsp. x *artemisioides*	•	•								
	Senna artemisioides subsp. x *sturtii*	•	•								
	Senna charlesiana		•								
	Senna curvistyla	•	•	•							
	Senna ferraria	•	•	•							
	Senna glaucifolia	•	•	•							
	Senna glaucifolia x *glutinosa* subsp. *glutinosa*	•									
	Senna glutinosa	•	•	•							
	Senna glutinosa subsp. *chatelainiana*	•	•								
	Senna glutinosa subsp. *glutinosa*	•	•								
	Senna glutinosa subsp. *glutinosa* x *stricta*	•									
	Senna glutinosa subsp. *pruinosa*	•	•								
	Senna glutinosa subsp. x *luerssenii*	•	•								
	Senna hamersleyensis	•									
	Senna notabilis	•	•	•							
	Senna obtusifolia						•				Yes
	Senna pleurocarpa		•	•							
	Senna pleurocarpa var. *angustifolia*	•	•								
	Senna sericea	•	•	•							
	Senna sp. Karijini (M.E. Trudgen 10392)	•									
	Senna sp. Meekatharra (E. Bailey 1-26)	•	•								
	Senna stricta	•	•	•							
	Senna symonii	•	•	•							
	Senna venusta	•	•	•							
	Sesbania cannabina	•		•							
	Stylosanthes hamata	•	•								Yes

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Swainsona canescens	•	•	•							
	Swainsona complanata	•									
	Swainsona decurrens	•	•	•							
	Swainsona elegantoides	•		•							
	Swainsona formosa	•	•	•							
	Swainsona incei		•								
	Swainsona kingii	•	•	•							
	Swainsona leeana	•	•	•							
	Swainsona maccullochiana	•	•	•							
	Swainsona oroboides	•	•								
	Swainsona paucifoliolata			•							
	Swainsona tenuis	•									
	Swainsona thompsoniana				•			P3			
	Templetonia egena	•		•							
	Tephrosia arenicola	•	•	•							
	Tephrosia densa	•	•	•							
	Tephrosia oxalidea	•	•	•							
	Tephrosia rosea		•								
	Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	•	•								
	Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)	•	•								
	Tephrosia sp. Newman (A.A. Mitchell PRP 29)	•	•								
	Tephrosia sp. Northern (K.F. Kenneally 11950)		•								
	Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)	•									
	Tephrosia stipuligera		•	•							
	Tephrosia supina	•	•								
	Tephrosia uniovulata		•								
	Tephrosia virens	•	•	•							
	Trigonella suavissima	•		•							
	Ulex europaeus						•				Yes
	Vachellia farnesiana	•	•	•							Yes
	Vigna lanceolata	•	•	•							
	Vigna lanceolata var. *lanceolata*	•	•								
	Vigna sp. Hamersley Clay (A.A. Mitchell PRP 113)	•	•								
Gentianaceae	*Schenkia australis*	•	•	•							
	Schenkia clementii		•								
Goodeniaceae	*Brunonia australis*	•	•	•							
	Brunonia australis var. A Kimberley Flora (K.F. Kenneally 5452)	•									
	Brunonia sp. Long hairs (D.E. Symon 2440)	•	•								
	Dampiera candicans	•	•	•							
	Dampiera metallorum	•		•	•	•		P3			
	Goodenia connata	•		•							
	Goodenia cusackiana	•	•	•							
	Goodenia heterochila	•									
	Goodenia lamprosperma	•	•	•							
	Goodenia lyrata	•		•	•	•		P3			
	Goodenia microptera	•	•	•							
	Goodenia muelleriana	•	•	•							
	Goodenia nuda	•	•	•							
	Goodenia pascua	•	•	•							
	Goodenia prostrata	•	•	•							
	Goodenia scaevolina	•	•	•							
	Goodenia sp. East Pilbara (A.A. Mitchell PRP 727)	•			•	•		P3			

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Goodenia stellata	•	•	•							
	Goodenia stobbsiana	•	•	•							
	Goodenia tenuiloba		•								
	Goodenia trichophylla	•									
	Goodenia triodiophila	•	•	•							
	Goodenia vilmoriniae	•	•	•							
	Scaevola acacioides	•	•	•							
	Scaevola amblyanthera	•	•	•							
	Scaevola amblyanthera var. *amblyanthera*	•									
	Scaevola amblyanthera var. *centralis*	•	•								
	Scaevola browniana	•	•	•							
	Scaevola browniana subsp. *browniana*	•	•								
	Scaevola parvifolia	•	•	•							
	Scaevola parvifolia subsp. *pilbarae*	•	•								
	Scaevola sp. Mt Bruce (M.E. Trudgen 1333)		•								
	Scaevola spinescens	•	•								
Gyrostemonaceae	*Codonocarpus cotinifolius*	•	•	•							
Haloragaceae	*Gonocarpus ephemerus*	•									
	Haloragis gossei	•	•	•							
	Haloragis gossei var. *gossei*	•	•								
	Haloragis maierae	•	•	•							
Hemerocallidaceae	*Corynotheca micrantha*		•								
	Corynotheca pungens		•								
	Tricoryne sp. Hamersley Range (S. van Leeuwen 915)	•									
Iridaceae	*Moraea flaccida*						•				Yes
	Moraea miniata						•				Yes
Lamiaceae	*Clerodendrum floribundum*		•	•							
	Clerodendrum floribundum var. *angustifolium*	•	•								
	Clerodendrum tomentosum		•	•							
	Clerodendrum tomentosum var. lanceolatum	•	•								
	Coleus scutellarioides	•									
	Dicrastylis cordifolia	•	•	•							
	Newcastelia clavipetala	•	•								
	Prostanthera albiflora	•	•	•							
	Teucrium disjunctum	•	•	•							
	Teucrium teucriiflorum	•	•								
Lauraceae	*Cassytha aurea*		•								
	Cassytha capillaris	•	•								
	Cassytha filiformis	•	•	•							
	Cassytha racemosa forma *pilosa*		•								
Linderniaceae	*Lindernia* sp. Pilbara (M.N. Lyons & L. Lewis FV 1069)				•			P1			
Loganiaceae	*Mitrasacme connata*		•								
Loranthaceae	*Amyema bifurcata*		•								
	Amyema fitzgeraldii	•	•								
	Amyema gibberula			•							
	Amyema gibberula var. *gibberula*	•	•								
	Amyema hilliana	•	•	•							
	Amyema miquelii	•	•	•							
	Amyema preissii	•	•	•							
	Amyema sanguinea		•	•							
	Amyema sanguinea var. *pulchra*	•	•								
	Amyema sanguinea var. *sanguinea*	•	•								

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Diplatia grandibractea	•	•	•							
	Lysiana casuarinae	•	•	•							
	Lysiana murrayi	•		•							
Lythraceae	*Ammannia baccifera*	•	•	•							
	Ammannia multiflora		•								
	Rotala diandra		•								
	Rotala mexicana		•	•							
	Rotala occultiflora		•								
Malvaceae	*Abutilon amplum*	•	•	•							
	Abutilon cryptopetalum	•	•	•							
	Abutilon cunninghamii	•	•	•							
	Abutilon fraseri	•	•	•							
	Abutilon fraseri subsp. *fraseri*	•									
	Abutilon lepidum	•	•	•							
	Abutilon leucopetalum	•	•								
	Abutilon macrum	•	•	•							
	Abutilon malvifolium	•	•								
	Abutilon otocarpum	•	•	•							
	Abutilon oxycarpum	•	•								
	Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	•	•	•							
	Abutilon sp. Pilbara (W.R. Barker 2025)	•	•								
	Androcalva loxophylla	•	•	•							
	Androcalva luteiflora	•	•	•							
	Brachychiton acuminatus	•	•	•							
	Brachychiton gregorii		•								
	Corchorus crozophorifolius	•	•	•							
	Corchorus elachocarpus	•									
	Corchorus incanus subsp. *incanus*		•								
	Corchorus incanus subsp. *lithophilus*	•	•								
	Corchorus laniflorus	•	•								
	Corchorus lasiocarpus		•	•							
	Corchorus lasiocarpus subsp. *lasiocarpus*		•								
	Corchorus lasiocarpus subsp. *parvus*	•	•								
	Corchorus parviflorus		•								
	Corchorus sidoides		•								
	Corchorus sidoides subsp. *sidoides*		•								
	Corchorus tectus	•	•	•							
	Corchorus tridens	•	•	•							
	Corchorus walcottii		•								
	Gossypium australe	•	•	•							
	Gossypium australe x *sturtianum*	•									
	Gossypium robinsonii	•	•	•							
	Gossypium robinsonii x *sturtianum*	•									
	Gossypium sturtianum	•	•	•							
	Gossypium sturtianum var. *sturtianum*	•	•								
	Hannafordia bissillii			•							
	Hannafordia bissillii subsp. *bissillii*	•	•								
	Hibiscus brachychlaenus	•	•	•							
	Hibiscus brachysiphonius	•		•							
	Hibiscus burtonii	•	•	•							
	Hibiscus coatesii	•	•	•							
	Hibiscus goldsworthii		•								

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Hibiscus haynaldii	•	•	•							
	Hibiscus krichauffianus			•				P3			
	Hibiscus leptocladus	•	•	•							
	Hibiscus sp. Gardneri (A.L. Payne PRP 1435)		•								
	Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708)	•			•			P2			
	Hibiscus sp. Mt Robinson (G. Byrne 3537)	•	•								
	Hibiscus sturtii	•	•	•							
	Hibiscus sturtii var. *campylochlamys*	•	•								
	Hibiscus sturtii var. *grandiflorus*	•									
	Hibiscus sturtii var. *platychlamys*	•	•								
	Hibiscus sturtii var. *truncatus*	•									
	Hibiscus tridactylites		•								Yes
	Malvastrum americanum	•	•	•							Yes
	Melhania oblongifolia	•	•	•							
	Seringia exastia	•	•	•							
	Seringia nephrosperma	•	•	•							
	Seringia velutina		•								
	Sida arenicola	•	•	•							
	Sida arsiniata		•								
	Sida calyxhymenia	•		•							
	Sida cardiophylla	•	•	•							
	Sida clementii		•								
	Sida echinocarpa	•	•	•							
	Sida ectogama	•	•	•							
	Sida fibulifera	•	•								
	Sida intricata		•								
	Sida platycalyx	•	•	•							
	Sida rohlenae	•	•	•							
	Sida rohlenae subsp. *rohlenae*	•	•								
	Sida sp. Articulation below (A.A. Mitchell PRP 1605)	•	•	•							
	Sida sp. Barlee Range (S. van Leeuwen 1642)	•			•	•		P4			
	Sida sp. dark green fruits (S. van Leeuwen 2260)	•		•							
	Sida sp. Excedentifolia (J.L. Egan 1925)	•	•								
	Sida sp. Golden calyces glabrous (H.N. Foote 32)		•								
	Sida sp. Golden calyces pubescent (G.J. Leach 1966)		•								
	Sida sp. Hamersley Range (K. Newbey 10692)				•			P3			
	Sida sp. L (A.M. Ashby 4202)	•	•	•							
	Sida sp. Pilbara (A.A. Mitchell PRP 1543)	•	•	•							
	Sida sp. Rabbit Flat (B.J. Carter 626)	•	•								
	Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	•	•								
	Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	•	•								
	Sida sp. Supplejack Station (T.S. Henshall 2345)	•	•								
	Sida sp. tiny glabrous fruit (A.A. Mitchell PRP1152)	•									
	Sida sp. Turee Creek (P.-L.de Kock PLDK1116)				•			P1			
	Sida spinosa		•								
	Sida trichopoda		•								
	Triumfetta chaetocarpa		•								
	Triumfetta clementii		•								
	Triumfetta leptacantha	•	•	•							
	Triumfetta maconochieana	•	•	•							
	Waltheria indica	•	•	•							
	Waltheria virgata	•									

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
Marsileaceae	*Marsilea drummondii*	•		•							
	Marsilea exarata	•	•								
	Marsilea hirsuta	•	•	•							
Menispermaceae	*Tinospora smilacina*		•								
Molluginaceae	*Hypertelis cerviana*		•								
	Trigastrotheca molluginea	•	•	•							
Montiaceae	*Calandrinia ptychosperma*	•	•	•							
	Calandrinia pumila	•	•	•							
	Calandrinia reticulata	•	•	•							
	Calandrinia stagnensis	•	•	•							
Moraceae	*Ficus brachypoda*	•	•	•							
	Ficus platypoda	•	•	•							
	Ficus virens			•							
	Ficus virens var. *virens*	•									
Myrtaceae	*Calytrix carinata*	•	•	•							
	Corymbia aspera		•								
	Corymbia candida	•	•	•							
	Corymbia candida subsp. *candida*		•								
	Corymbia deserticola	•	•	•							
	Corymbia deserticola subsp. *deserticola*	•	•								
	Corymbia ferriticola	•	•	•							
	Corymbia hamersleyana	•	•	•							
	Corymbia opaca	•		•							
	Corymbia zygophylla		•								
	Eucalyptus alatissima			•							
	Eucalyptus camaldulensis	•	•	•							
	Eucalyptus camaldulensis subsp. *obtusa*	•	•								
	Eucalyptus camaldulensis subsp. *refulgens*	•	•								
	Eucalyptus ewartiana	•	•	•							
	Eucalyptus gamophylla	•	•	•							
	Eucalyptus kingsmillii	•	•	•							
	Eucalyptus leucophloia	•	•	•							
	Eucalyptus leucophloia subsp. *leucophloia*	•	•								
	Eucalyptus pilbarensis	•	•	•							
	Eucalyptus repullulans	•	•	•							
	Eucalyptus socialis	•	•	•							
	Eucalyptus socialis subsp. *eucentrica*	•	•								
	Eucalyptus striaticalyx		•								
	Eucalyptus tephrodes	•	•	•							
	Eucalyptus trivalva	•	•	•							
	Eucalyptus victrix	•	•	•							
	Eucalyptus xerothermica	•	•	•							
	Lamarchea sulcata	•	•	•							
	Melaleuca argentea	•	•	•							
	Melaleuca bracteata	•	•								
	Melaleuca eleuterostachya	•	•	•							
	Melaleuca glomerata	•	•	•							
	Melaleuca lasiandra		•								
	Melaleuca leucadendra		•								
	Melaleuca linophylla		•								
	Melaleuca xerophila	•									
Nyctaginaceae	*Boerhavia burbidgeana*		•								

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Boerhavia coccinea	•	•	•							
	Boerhavia gardneri		•								
	Boerhavia paludosa		•								
	Boerhavia repleta	•	•	•							
	Boerhavia schomburgkiana		•								
Oleaceae	*Jasminum didymum*	•		•							
	Jasminum didymum subsp. *lineare*	•	•								
Onagraceae	*Ludwigia perennis*		•								
Ophioglossaceae	*Ophioglossum lusitanicum*	•		•							
Orobanchaceae	*Striga squamigera*	•		•							
Oxalidaceae	*Oxalis* sp. Pilbara (M.E. Trudgen 12725)	•			•			P3			
Papaveraceae	*Argemone ochroleuca*	•	•	•							Yes
	Argemone ochroleuca subsp. *ochroleuca*		•								Yes
Phrymaceae	*Elacholoma hornii*	•									
	Glossostigma diandrum	•	•								
	Mimulus gracilis	•	•	•							
	Peplidium aithocheilum		•								
	Peplidium muelleri		•								
	Peplidium sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)	•									
Phyllanthaceae	*Cathetus virgatus*	•	•								
	Dendrophyllanthus erwinii	•	•								
	Kirganelia baccata	•	•								
	Nellica maderaspatensis	•	•								
	Notoleptopus decaisnei		•	•							
	Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)	•									
	Synostemon hamersleyensis	•		•	•	•		T	EN		
	Synostemon rhytidospermus	•		•							
Plantaginaceae	*Stemodia glabella*	•									
	Stemodia grossa	•	•	•							
	Stemodia viscosa	•	•								
Plumbaginaceae	*Plumbago zeylanica*	•	•	•							
Poaceae	*Acrachne racemosa*	•	•	•							
	Amphipogon caricinus	•	•	•							
	Amphipogon caricinus var. *caricinus*		•								
	Amphipogon sericeus	•	•	•							
	Aristida burbidgeae	•	•	•							
	Aristida contorta	•	•	•							
	Aristida holathera		•	•							
	Aristida holathera var. *holathera*	•	•								
	Aristida hygrometrica	•		•							
	Aristida inaequiglumis	•	•	•							
	Aristida ingrata		•	•							
	Aristida jerichoensis			•							
	Aristida jerichoensis var. *subspinulifera*	•			•	•		P3			
	Aristida latifolia	•	•	•							
	Aristida lazaridis	•		•	•			P3			
	Aristida nitidula	•									
	Aristida obscura	•	•	•							
	Aristida pruinosa	•	•	•							
	Astrebla elymoides	•									
	Austrostipa nitida	•									
	Bothriochloa ewartiana	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Cenchrus ciliaris	•	•	•							Yes
	Cenchrus ciliaris x *setiger*	•									Yes
	Cenchrus echinatus	•		•							Yes
	Cenchrus setiger	•	•	•							Yes
	Chloris barbata	•	•	•							Yes
	Chloris pectinata	•	•	•							
	Chloris virgata	•	•	•							Yes
	Chrysopogon fallax	•	•	•							
	Cymbopogon ambiguus	•	•	•							
	Cymbopogon bombycinus		•	•							
	Cymbopogon obtectus	•	•	•							
	Cymbopogon procerus	•	•								
	Cynodon convergens	•	•								
	Cynodon dactylon		•								Yes
	Cynodon prostratus	•	•								
	Cynodon tenellus		•								
	Dactyloctenium radulans	•	•	•							
	Dichanthium fecundum		•								
	Dichanthium sericeum		•	•							
	Dichanthium sericeum subsp. *humilius*	•	•								
	Dichanthium sericeum subsp. *polystachyum*	•	•								
	Digitaria ammophila	•	•	•							
	Digitaria brownii	•	•	•							
	Digitaria ciliaris	•	•	•							Yes
	Digitaria ctenantha	•	•	•							
	Diplachne fusca			•							
	Diplachne fusca subsp. *fusca*	•	•								
	Echinochloa colona	•	•	•							Yes
	Elytrophorus spicatus	•	•	•							
	Enneapogon avenaceus	•	•								
	Enneapogon caerulescens	•	•	•							
	Enneapogon lindleyanus	•	•	•							
	Enneapogon polyphyllus	•	•	•							
	Enneapogon robustissimus	•	•	•							
	Enteropogon ramosus	•	•								
	Eragrostis cumingii	•	•	•							
	Eragrostis desertorum	•	•	•							
	Eragrostis dielsii	•	•								
	Eragrostis elongata		•	•							
	Eragrostis eriopoda	•	•	•							
	Eragrostis eriopoda subsp. Hill top (P.K. Latz 11583)	•									
	Eragrostis falcata	•		•							
	Eragrostis leptocarpa	•		•							
	Eragrostis olida	•		•							
	Eragrostis pergracilis	•	•	•							
	Eragrostis setifolia	•	•	•							
	Eragrostis sp. Mt Robinson (S. van Leeuwen 4109)	•			•	•		P2			
	Eragrostis speciosa		•								
	Eragrostis tenellula	•	•	•							
	Eragrostis xerophila	•	•								
	Eriachne aristidea	•	•	•							
	Eriachne benthamii	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Eriachne ciliata			•							
	Eriachne flaccida	•	•	•							
	Eriachne gardneri	•	•	•							
	Eriachne helmsii	•	•	•							
	Eriachne lanata	•	•	•							
	Eriachne mucronata	•	•	•							
	Eriachne obtusa		•	•							
	Eriachne pulchella	•	•	•							
	Eriachne pulchella subsp. *dominii*	•	•								
	Eriachne pulchella subsp. *pulchella*	•	•								
	Eriachne tenuiculmis	•	•	•							
	Eulalia aurea	•	•	•							
	Eulalia simonii			•							
	Eulalia sp. Three Rivers Station (B.Forsyth AQ6789133)		•								
	Heteropogon contortus		•								
	Imperata cylindrica		•	•							
	Ischaemum albovillosum	•	•	•							
	Iseilema dolichotrichum	•	•	•							
	Iseilema eremaeum		•								
	Iseilema fragile	•									
	Iseilema membranaceum	•	•	•							
	Iseilema vaginiflorum		•								
	Melinis repens	•	•	•							Yes
	Monachather paradoxus	•									
	Panicum australiense var. *australiense*	•									
	Panicum decompositum		•	•							
	Panicum effusum	•	•	•							
	Panicum laevinode	•	•	•							
	Paractaenum refractum		•								
	Paraneurachne muelleri	•	•	•							
	Paspalidium basicladum	•	•	•							
	Paspalidium clementii	•	•	•							
	Paspalidium constrictum	•	•								
	Paspalidium gracile	•		•							
	Paspalidium rarum	•	•	•							
	Paspalidium reflexum	•									
	Paspalidium tabulatum		•								
	Paspalum dilatatum	•		•							Yes
	Perotis rara	•	•	•							
	Polypogon monspeliensis		•								Yes
	Rostraria cristata		•								Yes
	Schizachyrium fragile	•	•	•							
	Setaria dielsii	•	•	•							
	Setaria surgens	•	•	•							
	Setaria verticillata	•	•	•							Yes
	Sorghum plumosum	•	•	•							
	Sorghum plumosum var. *plumosum*	•	•								
	Sorghum timorense			•							
	Sporobolus australasicus	•	•	•							
	Themeda sp. Hamersley Station (M.E. Trudgen 11431)	•			•			P3			
	Themeda sp. Mt Barricade (M.E. Trudgen 2471)	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Themeda triandra	•	•	•							
	Thyridolepis mitchelliana	•		•							
	Thyridolepis xerophila	•		•							
	Tragus australianus	•	•	•							
	Triodia angusta		•	•							
	Triodia basedowii	•	•	•							
	Triodia basitricha			•	•			P3			
	Triodia biflora	•	•	•							
	Triodia bitextura		•	•							
	Triodia brizoides	•	•	•							
	Triodia epactia	•	•	•							
	Triodia lanigera		•								
	Triodia longiceps	•	•	•							
	Triodia melvillei	•	•	•							
	Triodia pungens	•	•	•							
	Triodia schinzii	•	•	•							
	Triodia sp. Karijini (S. van Leeuwen 4111)	•			•			P2			
	Triodia sp. Mt Ella (M.E. Trudgen 12739)	•			•			P3			
	Triodia vanleeuwenii	•	•	•							
	Triodia wiseana	•	•	•							
	Tripogonella loliiformis	•	•	•							
	Triraphis mollis	•	•	•							
	Urochloa occidentalis var. *ciliata*	•									
	Urochloa occidentalis var. *occidentalis*		•								
	Urochloa piligera	•	•	•							
Polygalaceae	*Polygala glaucifolia*	•	•	•							
	Polygala isingii	•	•								
	Polygala longifolia		•								
Polygonaceae	*Duma florulenta*	•	•								
	Rumex vesicarius	•	•	•							Yes
Portulacaceae	*Portulaca cyclophylla*	•		•							
	Portulaca filifolia		•								
	Portulaca intraterranea			•							
	Portulaca oleracea	•	•	•							
	Portulaca pilosa	•									
Primulaceae	*Lysimachia arvensis*		•								Yes
	Samolus sp. Fortescue Marsh (A. Markey & R. Coppen FM 9702)				•			P1			
	Samolus sp. Millstream (M.I.H. Brooker 2076)	•									
Proteaceae	*Grevillea berryana*	•	•	•							
	Grevillea juncifolia subsp. *juncifolia*		•								
	Grevillea nematophylla	•									
	Grevillea pyramidalis	•	•	•							
	Grevillea pyramidalis subsp. *leucadendron*	•	•								
	Grevillea saxicola	•		•	•			P3			
	Grevillea stenobotrya	•									
	Grevillea striata	•	•								
	Grevillea wickhamii	•	•	•							
	Grevillea wickhamii subsp. *aprica*	•	•								
	Grevillea wickhamii subsp. *hispidula*	•	•								
	Hakea chordophylla	•	•	•							
	Hakea lorea	•	•	•							
	Hakea lorea subsp. *lorea*	•	•								

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		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Hakea macrocarpa		•								
	Hakea rhombales	•									
Pteridaceae	*Cheilanthes austrotenuifolia*	•	•	•							
	Cheilanthes brownii		•	•							
	Cheilanthes contigua	•		•							
	Cheilanthes lasiophylla	•	•	•							
	Cheilanthes sieberi	•	•	•							
	Cheilanthes sieberi subsp. *pseudovellea*	•									
	Cheilanthes sieberi subsp. *sieberi*	•	•								
	Cheilanthes tenuifolia	•									
	Pellaea reynoldsii	•	•	•							
Rhamnaceae	*Cryptandra monticola*	•	•	•							
	Stenanthemum petraeum	•									
	Ventilago viminalis		•								
	Ziziphus mauritiana						•				Yes
Rosaceae	*Rubus anglocandicans*						•				Yes
	Rubus laudatus						•				Yes
	Rubus rugosus						•				Yes
	Rubus ulmifolius						•				Yes
Rubiaceae	*Dolichocarpa crouchiana*	•	•	•							
	Dolichocarpa sp. Hamersley Station (A.A. Mitchell PRP 1479)				•			P3			
	Kohautia australiensis				•			P2			
	Paranotis sp. Pilbara (H. Ajduk HAOP04a)				•			P1			
	Pomax rupestris	•	•	•							
	Psydrax latifolia	•	•	•							
	Psydrax rigidula	•		•							
	Psydrax suaveolens	•	•								
	Scleromitrion galioides		•								
	Spermacoce brachystema	•	•	•							
	Synaptantha tillaeacea	•		•							
	Synaptantha tillaeacea var. *tillaeacea*		•								
Santalaceae	*Anthobolus leptomerioides*	•	•	•							
	Exocarpos aphyllus		•								
	Exocarpos sparteus	•	•	•							
	Santalum acuminatum	•		•							
	Santalum lanceolatum	•	•	•							
	Santalum spicatum		•								
Sapindaceae	*Alectryon oleifolius*	•	•	•							
	Atalaya hemiglauca	•	•	•							
	Diplopeltis stuartii		•	•							
	Diplopeltis stuartii var. *stuartii*	•									
	Dodonaea bursariifolia		•								
	Dodonaea coriacea	•	•	•							
	Dodonaea lanceolata	•	•	•							
	Dodonaea lanceolata var. *lanceolata*	•	•								
	Dodonaea pachyneura	•	•	•							
	Dodonaea petiolaris	•	•								
	Dodonaea viscosa	•		•							
	Dodonaea viscosa subsp. *angustissima*		•								
	Dodonaea viscosa subsp. *mucronata*	•	•								
	Dodonaea viscosa subsp. *spatulata*	•									
Scrophulariaceae	*Eremophila caespitosa*	•		•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Eremophila canaliculata	•									
	Eremophila clarkei	•	•								
	Eremophila cuneifolia	•	•	•							
	Eremophila exilifolia	•	•	•							
	Eremophila forrestii	•	•	•							
	Eremophila forrestii subsp. *forrestii*	•	•								
	Eremophila forrestii x *latrobei*	•									
	Eremophila fraseri	•	•	•							
	Eremophila fraseri subsp. *fraseri*	•	•								
	Eremophila galeata	•		•							
	Eremophila jucunda	•	•	•							
	Eremophila jucunda subsp. *pulcherrima*	•	•								
	Eremophila lachnocalyx	•	•								
	Eremophila lanceolata	•	•	•							
	Eremophila latrobei	•	•	•							
	Eremophila latrobei subsp. *filiformis*	•	•								
	Eremophila latrobei subsp. *glabra*	•	•								
	Eremophila latrobei subsp. *latrobei*	•	•								
	Eremophila longifolia	•	•	•							
	Eremophila magnifica subsp. *magnifica*	•			•			P4			
	Eremophila magnifica subsp. *velutina*				•			P3			
	Eremophila maitlandii			•							
	Eremophila naaykensii	•			•			P3			
	Eremophila oppositifolia			•							
	Eremophila oppositifolia subsp. *angustifolia*	•									
	Eremophila petrophila subsp. *petrophila*	•									
	Eremophila phyllopoda			•							
	Eremophila phyllopoda subsp. *obliqua*	•									
	Eremophila platycalyx			•							
	Eremophila platycalyx subsp. Neds Creek (N.H. Speck 1228)	•									
	Eremophila platycalyx subsp. *pardalota*	•	•								
	Eremophila rigida				•	•		P3			
	Eremophila sp. West Angelas (S. van Leeuwen 4068)	•			•			P2			
	Eremophila spongiocarpa				•	•		P3			
	Eremophila tietkensii			•							
	Eremophila youngii subsp. *lepidota*	•			•			P4			
	Myoporum montanum	•	•	•							
Solanaceae	*Datura leichhardtii*		•	•							Yes
	Datura leichhardtii subsp. *leichhardtii*	•									Yes
	Nicotiana benthamiana	•	•	•							
	Nicotiana ingulba	•	•								
	Nicotiana obliqua	•	•								
	Nicotiana occidentalis	•	•	•							
	Nicotiana rosulata	•	•	•							
	Nicotiana simulans	•	•								
	Solanum ashbyae		•								
	Solanum centrale	•	•	•							
	Solanum chippendalei	•	•	•							
	Solanum cleistogamum	•	•	•							
	Solanum elaeagnifolium						•				Yes
	Solanum elatius	•	•	•							
	Solanum ferocissimum	•	•	•							

Family	Taxon	Source						Conservation Status			Introduced
		NM	DJ	ALA	WAH	TPFL	WAOL	DBCA	BC Act	EPBC Act	
	Solanum gabrielae	•	•	•							
	Solanum horridum	•	•	•							
	Solanum kentrocaule	•		•	•			P3			
	Solanum lachnophyllum	•		•							
	Solanum lasiophyllum	•	•	•							
	Solanum linnaeanum						•				Yes
	Solanum morrisonii	•		•							
	Solanum nigrum	•	•	•							Yes
	Solanum orbiculatum	•	•								
	Solanum orbiculatum subsp. *orbiculatum*	•									
	Solanum phlomoides	•	•	•							
	Solanum piceum	•		•							
	Solanum sturtianum	•	•	•							
Stylidiaceae	*Stylidium weeliwolli*	•		•	•	•		P3			
Surianaceae	*Stylobasium spathulatum*	•	•	•							
Tamaricaceae	*Tamarix aphylla*						•				Yes
Thymelaeaceae	*Pimelea forrestiana*	•	•	•							
	Pimelea holroydii	•		•							
	Pimelea microcephala subsp. *microcephala*	•	•								
Typhaceae	*Typha domingensis*	•	•	•							
Urticaceae	*Parietaria cardiostegia*	•									
Verbenaceae	*Lantana camara*						•				Yes
Violaceae	*Afrohybanthus aurantiacus*	•	•	•							
Zygophyllaceae	*Roepera eichleri*	•	•	•							
	Roepera iodocarpa		•								
	Roepera tesquorum	•									
	Tribulopis angustifolia	•									
	Tribulus astrocarpus	•	•	•							
	Tribulus forrestii	•		•							
	Tribulus hirsutus	•	•	•							
	Tribulus macrocarpus	•	•	•							
	Tribulus occidentalis	•	•								
	Tribulus platypterus		•								
	Tribulus suberosus	•	•	•							
	Tribulus terrestris	•	•	•							Yes

Appendix C: Introduced flora from database search results

Family	Taxon	Source				DP	WoNS	Impact	Invasiveness
		NM	DJ	ALA	WAOL				
Alismataceae	*Sagittaria platyphylla*				•	•	•	Not Assessed	Not Assessed
Amaranthaceae	*Aerva javanica*	•	•	•				High	Rapid
Apiaceae	*Cyclospermum leptophyllum*	•		•				Not Assessed	Not Assessed
Apocynaceae	*Calotropis procera*				•	•		Not Assessed	Not Assessed
Apocynaceae	*Cryptostegia madagascariensis*				•	•		Not Assessed	Not Assessed
Araceae	*Pistia stratiotes*				•	•		Not Assessed	Not Assessed
Araceae	*Zantedeschia aethiopica*				•	•		Not Assessed	Not Assessed
Araliaceae	*Hydrocotyle ranunculoides*				•	•		Not Assessed	Not Assessed
Arecaceae	*Phoenix dactylifera*		•					High	Rapid
Arecaceae	*Washingtonia filifera*		•					High	Rapid
Asparagaceae	*Asparagus asparagoides*				•	•	•	Not Assessed	Not Assessed
Asteraceae	*Bidens bipinnata*	•	•	•				Unknown	Rapid
Asteraceae	*Bidens subalternans* var. *simulans*	•						Not Assessed	Not Assessed
Asteraceae	*Centaurea melitensis*		•					Not Assessed	Not Assessed
Asteraceae	*Chondrilla juncea*				•	•		Not Assessed	Not Assessed
Asteraceae	*Emilia sonchifolia*			•				Not Assessed	Not Assessed
Asteraceae	*Erigeron bonariensis*	•	•	•				Not Assessed	Not Assessed
Asteraceae	*Erigeron canadensis*			•				Not Assessed	Not Assessed
Asteraceae	*Flaveria trinervia*	•	•	•				Not Assessed	Not Assessed
Asteraceae	*Lactuca saligna*			•				Not Assessed	Not Assessed
Asteraceae	*Lactuca serriola*	•	•	•				Not Assessed	Not Assessed
Asteraceae	*Lactuca serriola* forma *serriola*		•					Not Assessed	Not Assessed
Asteraceae	*Onopordum acaulon*				•	•		Not Assessed	Not Assessed
Asteraceae	*Sigesbeckia orientalis*	•	•	•				Unknown	Rapid
Asteraceae	*Silybum marianum*				•	•		Not Assessed	Not Assessed
Asteraceae	*Sonchus asper*		•	•				Not Assessed	Not Assessed
Asteraceae	*Sonchus oleraceus*	•	•	•				Low	Rapid
Asteraceae	*Symphyotrichum squamatum*	•		•				Not Assessed	Not Assessed

Family	Taxon	Source				DP	WoNS	Impact	Invasiveness
		NM	DJ	ALA	WAOL				
Asteraceae	*Taraxacum khatoonae*	•	•	•				Not Assessed	Not Assessed
Asteraceae	*Tridax procumbens*	•	•	•				Not Assessed	Not Assessed
Asteraceae	*Xanthium spinosum*				•	•		Not Assessed	Not Assessed
Boraginaceae	*Echium plantagineum*				•	•		Not Assessed	Not Assessed
Brassicaceae	*Sisymbrium orientale*		•					Low	Unknown
Cactaceae	*Austrocylindropuntia cylindrica*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Austrocylindropuntia subulata*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Cylindropuntia fulgida*				•	•	•	High	Slow
Cactaceae	*Cylindropuntia imbricata*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Cylindropuntia kleiniae*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Cylindropuntia pallida*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Cylindropuntia tunicata*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia elata*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia elatior*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia engelmannii*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia ficus-indica*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia microdasys*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia monacantha*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia polyacantha*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia puberula*				•	•	•	Not Assessed	Not Assessed
Cactaceae	*Opuntia stricta*				•	•	•	High	Rapid
Cactaceae	*Opuntia tomentosa*				•	•	•	Not Assessed	Not Assessed
Cucurbitaceae	*Citrullus amarus*		•					Not Assessed	Not Assessed
Cucurbitaceae	*Citrullus colocynthis*		•					Unknown	Moderate
Cucurbitaceae	*Coccinia grandis*				•	•		Not Assessed	Not Assessed
Euphorbiaceae	*Euphorbia hirta*		•					Low	Slow
Euphorbiaceae	*Jatropha gossypifolia*				•	•	•	Not Assessed	Not Assessed
Fabaceae	*Alhagi maurorum*				•	•		Not Assessed	Not Assessed

Family	Taxon	Source				DP	WoNS	Impact	Invasiveness
		NM	DJ	ALA	WAOL				
Fabaceae	*Neltuma glandulosa × velutina*				•	•		Not Assessed	Not Assessed
Fabaceae	*Parkinsonia aculeata*				•	•	•	High	Rapid
Fabaceae	*Senna alata*				•	•		Not Assessed	Not Assessed
Fabaceae	*Senna obtusifolia*				•	•		Not Assessed	Not Assessed
Fabaceae	*Stylosanthes hamata*	•	•					High	Moderate
Fabaceae	*Ulex europaeus*				•	•	•	Not Assessed	Not Assessed
Fabaceae	*Vachellia farnesiana*	•	•	•				High	Rapid
Iridaceae	*Moraea flaccida*				•	•		Not Assessed	Not Assessed
Iridaceae	*Moraea miniata*				•	•		Not Assessed	Not Assessed
Malvaceae	*Hibiscus tridactylites*		•					Not Assessed	Not Assessed
Malvaceae	*Malvastrum americanum*	•	•	•				High	Rapid
Papaveraceae	*Argemone ochroleuca*	•	•	•				Unknown	Rapid
Papaveraceae	*Argemone ochroleuca* subsp. *ochroleuca*		•					Unknown	Rapid
Poaceae	*Cenchrus ciliaris*	•	•	•				High	Rapid
Poaceae	*Cenchrus ciliaris* x *setiger*	•						High	Rapid
Poaceae	*Cenchrus echinatus*	•		•				Moderate	Rapid
Poaceae	*Cenchrus setiger*	•	•	•				High	Rapid
Poaceae	*Chloris barbata*	•	•	•				High	Rapid
Poaceae	*Chloris virgata*	•	•	•				High	Rapid
Poaceae	*Cynodon dactylon*		•					High	Rapid
Poaceae	*Digitaria ciliaris*	•	•	•				Low	Slow
Poaceae	*Echinochloa colona*	•	•	•				High	Rapid
Poaceae	*Melinis repens*	•	•	•				Not Assessed	Not Assessed
Poaceae	*Paspalum dilatatum*	•		•				Not Assessed	Not Assessed
Poaceae	*Polypogon monspeliensis*		•					Not Assessed	Not Assessed
Poaceae	*Rostraria cristata*		•					Not Assessed	Not Assessed
Poaceae	*Setaria verticillata*	•	•	•				High	Rapid
Polygonaceae	*Rumex vesicarius*	•	•	•				Not Assessed	Not Assessed

Family	Taxon	Source				DP	WoNS	Impact	Invasiveness
		NM	DJ	ALA	WAOL				
Primulaceae	*Lysimachia arvensis*		•					Not Assessed	Not Assessed
Rhamnaceae	*Ziziphus mauritiana*				•	•		Not Assessed	Not Assessed
Rosaceae	*Rubus anglocandicans*				•	•	•	Not Assessed	Not Assessed
Rosaceae	*Rubus laudatus*				•	•	•	Not Assessed	Not Assessed
Rosaceae	*Rubus rugosus*				•	•	•	Not Assessed	Not Assessed
Rosaceae	*Rubus ulmifolius*				•	•	•	Not Assessed	Not Assessed
Solanaceae	*Datura leichhardtii*		•	•				Unknown	Unknown
Solanaceae	*Datura leichhardtii* subsp. *leichhardtii*	•						Unknown	Unknown
Solanaceae	*Solanum elaeagnifolium*				•	•	•	Not Assessed	Not Assessed
Solanaceae	*Solanum linnaeanum*				•	•		Not Assessed	Not Assessed
Solanaceae	*Solanum nigrum*	•	•	•				Low	Rapid
Tamaricaceae	*Tamarix aphylla*				•	•	•	High	Rapid
Verbenaceae	*Lantana camara*				•	•	•	Not Assessed	Not Assessed
Zygophyllaceae	*Tribulus terrestris*	•	•	•				Unknown	Moderate

Appendix D: Key findings from review of other survey reports

		Hope Downs 1 Development Envelope - Vegetation Mapping	Weeli Wolli Creek Tree and Riparian Vegetation Health Monitoring Dry 2021-Wet 2022	Weeli Wolli Creek Tree and Riparian Vegetation Health Monitoring Dry 2022-Wet 2023	Weeli Wolli Spring Aquatic Monitoring 2022	Weeli Wolli Spring Aquatic Monitoring 2021
Survey Details	**Reference**	Astron (2020)	Biologic (2023b)	Biologic (2023c)	Biologic (2023d)	Biologic (2023e)
	Type	Reconnaissance survey and consolidated vegetation mapping	Riparian flora and vegetation survey	Riparian flora and vegetation survey	Aquatic monitoring survey	Aquatic monitoring survey
	Client	Rio Tinto	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore
	Location	Hope Downs 1 Development Envelope (encompassing HD1, HD2 proposed area, Baby Hope and existing corridors)	Weeli Wooli creek	Weeli Wooli creek	Weeli Wolli spring	Weeli Wolli spring
	Size (ha)	36,944	Not specified	Not specified	Not specified	Not specified
	Timing	May 2019	October 2021 & March 2022	November 2022 & April 2023	May, November 2022	May, November 2021
Methods	**Desktop Assessment (Yes/No)**	Yes	Yes	No	No	No
	Quadrat #	11	26	26	-	-
	Relevé #	0	-	-	-	-
	Targeted Searching (Yes/No)	No	-	-	No	No
	Other Methods	Vegetation mapping notes and high-resolution aerial imagery extrapolation	-	-	16 sites sampled	16 sites sampled
Results	**Taxa**	-	-	-	109	109
	Families	-	-	-	34	34
	Genera	-	-	-	-	-
	Vegetation Types	27	-	-	-	-
	Vegetation Condition	Excellent to Completely Degraded	Excellent - Poor	Excellent - Poor	-	-
	Weeds #	16	16	15	10	10
Significant Findings	**Threatened/ Priority Flora**	Seven Priority flora recorded: *Aristida lazaridis* (P2), *Acacia subtiliformis* (P3), *Grevillea saxicola* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Eremophila magnifica* subsp. *magnifica* (P4), *Lepidium catapycnon* (P4)	Five Priority flora recorded: *Stylidium weeliwolli* (P3), *Cladium procerum* (P2), *Ipomoea racemigera* (P2), *Fimbristylis sieberiana* (P3), *Rostellularia adscendens* var. *latifolia* (P3)	Five Priority flora recorded: *Stylidium weeliwolli* (P3), *Cladium procerum* (P2), *Ipomoea racemigera* (P2), *Fimbristylis sieberiana* (P3), *Rostellularia adscendens* var. *latifolia* (P3)	Three Priority flora recorded: *Cladium procerum* (P2), *Fimbristylis sieberiana* (P3), *Stylidium weeliwolli* (P3)	Three Priority flora recorded: *Cladium procerum* (P2), *Fimbristylis sieberiana* (P3), *Stylidium weeliwolli* (P3)
	Threatened/ Priority Ecological Communities	P1 PEC 'Weeli Wolli Spring Community' mapped within Survey Area and one mosaic of the P1 PEC 'West Angelas Cracking-Clays' possibly present	Weeli Wolli Spring Community (P1 PEC)	Weeli Wolli Spring Community (P1 PEC)	Weeli Wolli Spring Community (P1 PEC)	Weeli Wolli Spring Community (P1 PEC)
	WoNS and DP Weeds	None recorded	None recorded	None recorded	None recorded	None recorded
	Range Extensions	-	*Imperata cylindrica, Commicarpus australis*	*Imperata cylindrica*	-	-
	Other significant findings	-	Identififed little change in riparian vegetation within Weeli Wolli Creek		-	-
Other	**Limitations of Survey**	The confidence of the consolidated vegetation mapping was limited by the consistency and quality of previous survey efforts and aerial imagery, as well as not all Survey Area was ground-truthed and seasonal conditions were poor at the time of ground-truthing	No substantial limitations	One of the sites is now off limits due to cultural restrictions	-	-
	Proximity	Intersecting/ Adjacent to the west	Intersecting	Intersecting	Intersecting	Intersecting

		Jinidi Mine Access Road Infrastructure Corridor – Flora and Fauna Values	Jinidi Biological Survey Summary Report	Weeli Wolli Creek Biological Assessment Survey	Jinayri Access Road Flora and Vegetation Survey	Jinayri Mining Lease Flora and Vegetation Survey
Survey Details	**Reference**	Biota (2011)	Ecologia (2006)	Ecologia (1998)	ENV (2010a)	ENV (2010b)
	Type	Desktop review	Biological survey	Detailed flora and vegetation survey	Detailed flora and vegetation survey	Targeted flora survey (section 1), Detailed flora and vegetation survey (section 2)
	Client	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore
	Location	Jinidi Infrastructure Corridor	Jirridi tenement	Weeli Wolli Creek	Jinayri Mining Lease	Jinayri to Area C
	Size (ha)	Not specified	Not specified	~800	12,154	2,555 (section 1), 4,706 (section 2)
	Timing	n/a	Spring 2005, Summer 2006	Dec 1994 (Phase 1), April 1995 (Phase 2)	March 2008	May 2009
Methods	**Desktop Assessment (Yes/No)**	Yes	-	No	Yes	Yes
	Quadrat #	-	-	20 (100m x 100m)	328	55
	Relevé #	-	-	-	14	Three
	Targeted Searching (Yes/No)	-	-	-	Yes	Yes
	Other Methods	-	Methods not discussed	-	-	-
Results	**Taxa**	-	-	250	371	293
	Families	-	-	55	47	43
	Genera	-	-	137	142	114
	Vegetation Types	23	-	14	14	10
	Vegetation Condition	-	-	Pristine to Very Good	Pristine to Very Good	Pristine to Completely Degraded
	Weeds #	-	Four	Eight	Seven	Five
Significant Findings	**Threatened/ Priority Flora**	Three Priority flora recorded: *Acacia subtiliformis* (P3), *Goodenia* sp. East Pilbara (AA Mitchell PRP 727) (P3), *Lepidium catapycnon* (P4)	No current significant flora recorded	No current significant taxa recorded	Three Priority flora recorded: *Goodenia* sp. East Pilbara (AA Mitchell PRP 727) (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Indigofera gilesii* (P3)	Three Priority flora recorded: *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), *Acacia subtiliformis* (P3) and *Rostellularia adscendens* var. *latifolia* (P3)
	Threatened/ Priority Ecological Communities	-	Not discussed	No current TEC/PECs recorded	None recorded	Weeli Wolli Spring Community (P1 PEC)
	WoNS and DP Weeds	-	None recorded	None recorded	None recorded	None recorded
	Range Extensions	-	-	-	-	-
	Other significant findings	Four vegetation types considered 'ecosystems at risk' (major ephemeral watercourses)	-	Five undescribed taxa of interest recorded	Undulating calcrete plains considered unusual and not well represented in the Pilbara region	-
Other	**Limitations of Survey**	Not discussed	Not discussed	Not discussed	Large area was burnt prior to survey	No substantial limitations
	Proximity	Intersecting/ Adjacent to the west	Intersecting	Intersecting	Intersecting	Intersecting

		Jinayri to Area C Access Corridor Flora and Vegetation Assessment	Jinayri Geotechnical and Sterilisation Program Flora and Vegetation Assessment	Evaluating the environmental condition of Weeli Wolli Creek	2014 Assessment of Flora and Vegetation Condition Along Weeli Wolli Creekline	Review of Condition of Flora and Vegetation along Weeli Wolli, Mindy Mindy and Coondiner Creeklines
Survey Details	**Reference**	ENV (2010c)	ENV (2009)	EPA (2018)	Mattiske (2014a)	Mattiske (2014b)
	Type	Detailed flora and vegetation survey	Detailed flora and vegetation survey	Environmental evaluation	Riparian flora and vegetation survey	Environmental condition assessment
	Client	BHP Billiton Iron Ore	BHP Billiton Iron Ore	-	Rio Tinto	Rio Tinto
	Location	Jinayri Mining Lease	Jinayri Mining Lease	Weeli Wooli creek	Weeli Wooli creek	Weeli Wooli creek
	Size (ha)	2,786	3,694.4	-	Not specified	Not specified
	Timing	March 2008	March 2008	-	May 2014	September 2013
Methods	**Desktop Assessment (Yes/No)**	Yes	Yes	-	No	No
	Quadrat #	85	88	-	-	-
	Relevé #	Five	-	-	-	-
	Targeted Searching (Yes/No)	Yes	Yes	-	No	No
	Other Methods	-	-	-	38 permanent transects and understory recorded in 10m x 10m quadrats along transect	38 permanent transects and understory recorded in 10m x 10m quadrats along transect
Results	**Taxa**	343	286	-	Coondiner: 63 Mindy Mindy: 64 Weeli Wooli: 186	Coondiner: 59 Mindy Mindy: 62 Weeli Wooli: 188
	Families	42	42	-	Coondiner: 19 Mindy Mindy: 20 Weeli Wooli: 43	Coondiner: 21 Mindy Mindy: 21 Weeli Wooli: 41
	Genera	137	117	-	Coondiner: 42 Mindy Mindy: 48 Weeli Wooli: 109	Coondiner: 43 Mindy Mindy: 45 Weeli Wooli: 109
	Vegetation Types	18	11	-	-	
	Vegetation Condition	Excellent to Very Good	Excellent to Good	-	-	
	Weeds #	Ten	Five	-	15	22
Significant Findings	**Threatened/ Priority Flora**	Three Priority flora recorded: *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), *Acacia subtiliformis* (P3) and *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3)	Two Priority flora recorded: *Goodenia* sp. East Pilbara (AA Mitchell PRP 727) (P3), *Indigofera gilesii* (P3)	-	Two Priority flora recorded: *Cladium procerum* (P2), *Stylidium weeliwolli* (P3)	*Stylidium weeliwolli* (P3)
	Threatened/ Priority Ecological Communities	None recorded	None recorded	Weeli Wolli Spring Community (P1 PEC)	Weeli Wolli Spring Community (P1 PEC)	Weeli Wolli Spring Community (P1 PEC)
	WoNS and DP Weeds	None recorded	None recorded	-	None recorded	None recorded
	Range Extensions	-	-	-	-	-
	Other significant findings	Undulating calcrete plains considered unusual and not well represented in the Pilbara region	Undulating calcrete plains considered unusual and not well represented in the Pilbara region	Noted key lack of understanding of understory floral diversity.	-	-
Other	**Limitations of Survey**	No substantial limitations	Low rainfall received prior to survey, few annuals/ephemerals present.	-	-	-
	Proximity	Intersecting	Intersecting	Intersecting	Intersecting	Intersecting

		Review of Condition of Flora and Vegetation along Weeli Wolli, Mindy Mindy and Coondiner Creeklines	Flora and Vegetation of the Hope Downs 1 Area	Reconnaissance flora and vegetation survey and fauna assessment Newman to Mining Area C powerline corridor	Ethel Creek and Marillana Pastoral Leases Flora and Vegetation Desktop Assessments	Flora and Vegetation Survey of the Weeli Wolli Spring Priority Ecological Community
Survey Details	**Reference**	Mattiske (2013)	Mattiske (2009)	Onshore (2017)	Onshore (2016)	Onshore (2012a)
	Type	Environmental condition assessment	Detailed flora and vegetation survey	Reconnaissance flora and vegetation survey	Desktop assessment	Detailed flora and vegetation survey
	Client	Rio Tinto	Rio Tinto	BHP Billiton Iron Ore Pty Ltd	BHP Billiton Iron Ore	BHP Billiton Iron Ore
	Location	Weeli Wooli creek	Hope downs 1	Newman – MAC powerline	Ethel Creek and Marillana pastoral leases	Weeli Wolli Creek
	Size (ha)	Not specified	13,682.9	Not specified	750,000	107.57
	Timing	May 2013	-	July 2017	n/a	May & June 2011
Methods	**Desktop Assessment (Yes/No)**	No	-	Yes	Yes	Yes
	Quadrat #	-	-	-	n/a	Five
	Relevé #	-	-	125	n/a	Number not specified
	Targeted Searching (Yes/No)	No	-	No	n/a	Yes
	Other Methods	33 permanent transects and understory recorded in 10m x 10m quadrats along transect	-	Opportunistic sampling	n/a	Relevés recorded in a grid pattern at intervals of 50 m, PEC boundary mapping.
Results	**Taxa**	Coondiner: 67 Mindy Mindy: 56 Weeli Wooli: 175	217	113	-	175
	Families	Coondiner: 19 Mindy Mindy: 18 Weeli Wooli: 41	47	22	-	44
	Genera	Coondiner: 48 Mindy Mindy: 38 Weeli Wooli: 110	117	55	-	112
	Vegetation Types	-	-	44	64 vegetation associations	One (the Weeli Wolli PEC)
	Vegetation Condition	-	-	Excellent - Degraded	-	Excellent to Good
	Weeds #	22	10	8	-	17
Significant Findings	**Threatened/ Priority Flora**	*Stylidium weeliwolli* (P3)	Seven Priority flora recorded: *Acacia bromilowiana* (P4), *Acacia subtiliformis* (P3), *Eremophila magnifica* subsp. *magnifica* (P4), *Eremophila magnifica* subsp. *velutina* (P3), *Goodenia* sp. East Pilbara (AA Mitchell PRP 727) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Stylidium weeliwolli* (P3)	Eight Priority flora recorded: *Aristida jerichoensis* subsp. *subspinulifera* (P3), *Goodenia nuda* (P4)[1], *Goodenia* sp. East Pilbara (AA Mitchell PRP 727) (P3), *Grevillea saxicola* (P3), *Gymnanthera cunninghamii* (P3), *Lepidium catapycnon* (P4), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) (P2)[2]	25 Priority flora taxa previously recorded in Study Area[3]	Five Priority flora recorded: *Stylidium weeliwolli* (P2)[4], *Fimbristylis sieberiana* (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Gymnanthera cunninghamii* (P3), *Lepidium catapycnon* (P4)
	Threatened/ Priority Ecological Communities	Weeli Wolli Spring Community (P1 PEC)	None recorded	None recorded	Vegetation of sand dunes of the Hamersley Range / Fortescue Valley (P3 PEC); Weeli Wolli Spring Community (P1 PEC)	Weeli Wolli Spring Community (P1 PEC)
	WoNS and DP Weeds	None recorded	-	None recorded	-	None recorded
	Range Extensions	-	-	-	-	-
	Other significant findings	-	One vegetation type (C4) was analogous to the Weeli Wolli Spring Community (P1 PEC).	-	-	-
Other	**Limitations of Survey**	-	-	No substantial limitations	Not discussed	No substantial limitations
	Proximity	Intersecting	Intersecting	Intersecting	Intersecting	Intersecting

		Flora and Vegetation Review Jinidi Iron Ore Project	Biological Survey: South Parmelia Exploration Leases	Flora and Vegetation Survey of Hydrological Drill Targets at Jinayri North	Targeted Riparian Survey of the Greater Hope Downs 1 Area	Flora and Vegetation Survey of the Weeli Wolli Creek Area
Survey Details	**Reference**	Onshore (2012b)	Onshore and Biologic (2009)	Pilbara Flora (2009)	Rio Tinto (2023)	Trudgen (1984)
	Type	Consolidation of six previous flora and vegetation surveys	Detailed flora and vegetation survey	Detailed flora and vegetation survey	Targeted riparian survey	Detailed flora and vegetation survey
	Client	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore	Rio Tinto	Mount Newman Mining Company
	Location	Jinidi Project	South Parmelia	Jinayri Mining Lease	Greater Hope Downs 1 Area tributaries (Pebble Mose Creek and a section of Weeli Wolli Creek)	Weeli Wolli Creek
	Size (ha)	20,402.21	Not specified	41.3	~75 km along 2 creeks	Not specified
	Timing	n/a	Jan 2009	March 2009	July 2021	Not specified
Methods	**Desktop Assessment (Yes/No)**	Yes	Yes	Yes	Yes	No
	Quadrat #	549	112	27	11 additional (37 combined historical)	-
	Relevé #	-	-	-	14 additional (37 combined historical)	-
	Targeted Searching (Yes/No)	Yes	Not specified	Yes	Yes	Yes (foot traverses)
	Other Methods	-	-	29 GPS survey points	10 mapping notes, NDVI persistence mapping, aerial photographs supported by ARCGIS World Imagery	29 sites with detailed sub-sites of varying sizes
Results	**Taxa**	495	290	113	207	302
	Families	54	48	32	47	54
	Genera	180	129	62	120	-
	Vegetation Types	18	14	16	15	Mapping not conducted
	Vegetation Condition	Excellent to Good	Excellent to Good	Minimal disturbance		-
	Weeds #	Eight	Five	Two	-	One
Significant Findings	**Threatened/ Priority Flora**	Nine Priority flora recorded: *Isotropis parviflora* (P2)[5], *Acacia subtiliformis* (P3), *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), *Indigofera gilesii* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Triodia* sp. Mt. Ella (ME Trudgen 12739), (P3), *Grevillea saxicola* (P3), *Lepidium catapycnon* (P4)	Three Priority flora recorded: *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Lepidium catapycnon* (P4)	*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727 (P3)	Four Priority taxa recorded: *Aristida lazaridis* (P2), *Rostellularia adscendens* var. *latifolia* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Stylidium weeliwolli* (P3)	*Fimbristylis sieberiana* (P3)
	Threatened/ Priority Ecological Communities	Weeli Wolli Spring Community (P1 PEC)	None recorded	None recorded	Weeli Wolli Spring Community (P1 PEC)	-
	WoNS and DP Weeds	None recorded	None recorded	None recorded	-	-
	Range Extensions	-	-	-	**Urochloa mosambicensis*	-
	Other significant findings	-	-	-	*Eulalia* sp. 'Three River Station' present (needs taxonomic investigation) GDV within Envelope was low; however, GDV outside Envelope (Weeli Wolli Creek) was Moderate – Very High	Eight undescribed taxa of interest, six sites with 'special' or unusual/ restricted vegetation
Other	**Limitations of Survey**	No substantial limitations	No substantial limitations	No substantial limitations	Not discussed	Not all areas visited. Author estimates only 50-60% of flora was recorded.
	Proximity	Intersecting	Intersecting	Intersecting	Intersecting/ Adjacent to the west	Intersecting

		Area C to Jinayri to Mount Newman Railway Flora and Vegetation Survey	Hope Downs 2 Proposal Flora and Vegetation Survey	Jinidi to Mindy Level 1 Flora and Vegetation Survey	South Flank to Jinidi Level 2 Flora and Vegetation Survey	Flora and Vegetation Survey: Jinidi to Mainline Study Area
Survey Details	**Reference**	Woodman (2010)	Astron (2019)	Biota (2012a)	Biota (2012b)	Onshore (2012c)
	Type	Detailed flora and vegetation survey	Detailed flora and vegetation survey	Detailed flora and vegetation survey	Detailed flora and vegetation survey	Detailed flora and vegetation survey (and consolidation of previous work)
	Client	BHP Billiton Iron Ore	Rio Tinto	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore
	Location	Area C to Jinayri to Mount Newman Railway	Hope Downs 2 Development Envelope	Jinidi to Mindy tenements	South Flank to Jinidi	Jinidi to Mainline
	Size (ha)	19,020	10,817.7	454.3	8,588	38,715
	Timing	May, June & Sept 2009	November 2017, May 2018 & May 2019	March 2011	March-April 2011 (Phase 1), Aug 2011 (Phase 2)	Feb, March, April & Sept 2011
Methods	**Desktop Assessment (Yes/No)**	Yes	Yes	Yes	Yes	Yes
	Quadrat #	203	55 (Two-phase), 23 (Single-phase)	Nine	67	395
	Relevé #	-	15 (Two-phase), 6 (Single-phase)	10	Eight	-
	Targeted Searching (Yes/No)	Yes	Yes	Yes	Yes (foot traverses)	Yes
	Other Methods	Population estimates for significant flora	Vegetation mapping notes	Mapping notes	-	Ground truthing at 1 km intervals
Results	**Taxa**	379	411	260	453	471
	Families	53	52	41	52	59
	Genera	149	161	117	169	178
	Vegetation Types	19	23	16	35	28
	Vegetation Condition	Excellent to Good	Excellent to Completely Degraded	Pristine to Good	Pristine to Completely Degraded	Excellent to Degraded
	Weeds #	10	17	Six	15	20
Significant Findings	**Threatened/ Priority Flora**	Seven Priority flora recorded: *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), *Stylidium weeliwolli* (P3), *Acacia subtiliformis* (P3), *Fimbristylis sieberiana* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Lepidium catapycnon* (P4)	11 Priority flora recorded: *Eremophila* sp. West Angelas (S. van Leeuwen 4068) (P1)[6], *Aristida lazaridis* (P2), *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2), *Eremophila* sp. Hamersley Range (K. Walker KW 136) (P3)[7], *Grevillea saxicola* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3), *Acacia bromilowiana* (P4), *Eremophila magnifica* subsp. *magnifica* (P4), *Lepidium catapycnon* (P4), *Ptilotus mollis* (P4)	None recorded	Seven Priority flora recorded: *Grevillea saxicola* (P3), *Acacia subtiliformis* (P3), *Goodenia lyrata* (P3), *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Eremophila magnifica* subsp. *magnifica* (P4), *Ptilotus mollis* (P4)	Five Priority flora recorded: *Fimbristylis sieberiana* (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Stylidium weeliwolli* (P3), *Lepidium catapycnon* (P4), *Sida* sp. Barlee Range (S. van Leeuwen 1642) (P4)
	Threatened/ Priority Ecological Communities	Weeli Wolli Spring Community (P1 PEC)	Possibly P1 PEC 'West Angelas Cracking-Clays' on Wannamunna land system, however, is unlikely to represent the community due to differences in species composition, habitat and scale	None recorded	None recorded	Weeli Wolli Spring Community (P1 PEC); Vegetation of sand dunes of the Hamersley Range/Fortescue Valley (P3 PEC)
	WoNS and DP Weeds	None recorded	None recorded	None recorded	None recorded	None recorded
	Range Extensions	One range extension, three locality holes	One (*Tinospora smilacina*, >50 km)	-	-	-
	Other significant findings	Three undescribed taxa	Four vegetation types mapped as locally significant due to likelihood of refugia habitat, restricted habitat and/or association of significant flora One potential GDE vegetation type	One possible new taxonomic entity (Poaceae sp. Hamersley); Two vegetation types considered 'ecosystems at risk' (moderate ephemeral watercourses)	Four vegetation types considered 'ecosystems at risk' (major ephemeral creeklines)	-
Other	**Limitations of Survey**	Access constraints	Not discussed	Not discussed	No substantial limitations	No substantial limitations
	Proximity	Intersecting	Adjacent to the west	~1.2 km east	Adjacent to the west	Adjacent to the north

		Area C to Yandi Flora and Vegetation survey	Central Pilbara Hub: Detailed and Targeted Flora Survey	Ministers North Miscellaneous Licence Area Amendment Surveys and Yandicoogina Creek Detailed Flora and Vegetation Assessment	Area C R-Deposit Flora and Vegetation Assessment	Mining Area C Review of Flora and Vegetation Baseline Information
Survey Details	**Reference**	Astron (2010)	Biologic (2023a)	Biologic (2021)	ENV (2007)	Onshore (2014)
	Type	Level 2 flora and vegetation survey	Detailed and targeted flora and vegetation survey	Detailed flora and vegetation survey	Level 2 flora and vegetation survey	Desktop review
	Client	BHP Billiton Iron Ore Pty Ltd	BHP Billiton Iron Ore	BHP Billiton Iron Ore	BHP Billiton Iron Ore Pty Ltd	BHP Billiton Iron Ore Pty Ltd
	Location	Between Yandi Mine and Mining Area C	Three separate Study Areas, of which 'Mining Area C to Yandi Rail Corridor' is closest to current Study Area	Yandi Creek	Area C R-Deposit	Mining Area C
	Size (ha)	2,181	25,563 (total)	3,756	Not specified	Not specified
	Timing	September 2010	Nov 2021, March/April-May & June 2022	Sept 2019, March/April 2020	October 2006	1997-2011
Methods	**Desktop Assessment (Yes/No)**	Yes	Yes	Yes	Yes	Yes
	Quadrat #	20	152	34	72	259
	Relevé #	-	21	Six	-	-
	Targeted Searching (Yes/No)	No	Yes	Yes	No	Yes
	Other Methods	-	27 mapping notes	-	-	-
Results	**Taxa**	91	516	279	231	479
	Families	20	62	51	45	-
	Genera	43	190	141	101	-
	Vegetation Types	13	77	35	11	28
	Vegetation Condition	Good - Excellent	Excellent to Completely Degraded	Excellent to Degraded	Very Good - Excellent	Not specified
	Weeds #	-	17	17	Two	10
Significant Findings	**Threatened/ Priority Flora**	*Acacia bromilowiana* (P4)	Three Priority flora recorded: *Aristida lazaridis* (P2), *Indigofera gilesii* (P3), *Sida* sp. Barlee Range (S. van Leeuwen 1642) (P3)[8] (found within 'Mining Area C to Yandi Rail Corridor')	Five Priority flora recorded: *Aristida lazaridis* (P2), *Fimbristylis sieberiana* (P3), *Gymnanthera cunninghamii* (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Sida* sp. Barlee Range (S. van Leeuwen 1642) (P4)	Two Priority flora recorded: *Triumfetta leptacantha* (P3)[9], *Eremophila magnifica* subsp. *magnifica* (P4)	Eight Priority flora recorded: *Acacia bromilowiana* (P4), *Aristida jerichoensis* var. *subspinulifera* (P1)[10], *Aristida lazaridis* (P2), *Eremophila magnifica* subsp. *magnifica* (P4), *Nicotiana umbratica* (P3)[14], *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Spartothamnella puberula* (P2)[11]
	Threatened/ Priority Ecological Communities	None recorded	Possibly 'Coolibah – Lignum Flats' (P1 PECs) are present	Three vegetation types shared affinity with the 'Riparian flora and plant communities of springs and river pools with high water permanence of the Pilbara' P2 PEC	None recorded	None recorded
	WoNS and DP Weeds	None recorded	None recorded	None recorded	None recorded	None recorded
	Range Extensions	-	Four	Three	-	None recorded
	Other significant findings	Two vegetation associations analogous with "Ecosystems at Risk" were identified Hill-top flora of the Hamersley region and Major ephemeral watercourses	Five GDV vegetation types	One taxon, *Triodia biflora*, with patchy distribution recommended for priority status	-	-
Other	**Limitations of Survey**	Poor seasonal conditions	No substantial limitations	Access restrictions affected mapping reliability	No substantial limitations	Fire, mining exploration and grazing impacted certain areas of the study area.
	Proximity	15 km	10.6 km NW	10 km NW	13 km	12 km

		Level 2 Flora and Vegetation Survey South Flank	Flora and Vegetation Survey Area C and Surrounds
Survey Details	**Reference**	Onshore (2012d)	Onshore (2011)
	Type	Level 2 flora and vegetation survey	Level 2 flora and vegetation survey
	Client	BHP Billiton Iron Ore Pty Ltd	BHP Billiton Iron Ore Pty Ltd
	Location	100km NW of Newman	Mining Area C
	Size (ha)	Not specified	Not specified
	Timing	March, May and September 2010, June 2011	November – December 2009 & February – June 2010
Methods	**Desktop Assessment (Yes/No)**	Yes	Yes
	Quadrat #	220	510
	Relevé #	Not specified	Not specified
	Targeted Searching (Yes/No)	Yes	Yes
	Other Methods	-	-
Results	**Taxa**	386	479
	Families	50	53
	Genera	160	166
	Vegetation Types	34	37
	Vegetation Condition	Excellent - Degraded	Good - Excellent
	Weeds #	Eight	11
Significant Findings	**Threatened/ Priority Flora**	14 Priority flora recorded: *Lepidium catapycnon* (P4), *Spartothamnella puberula* (P2)[11], *Eremophila magnifica* subsp. *magnifica (P4), Sida sp.* Barlee Range (P3)[8], *Aristida jerichoensis* var. *subspinulifera* (P3), *Aristida lazaridis* (P2), *Pilbara trudgenii* (P2)[12], *Dampiera metallorum* (P3), *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Triodia* sp. Mt. Ella (P3), *Themeda* sp. Hamersley Station (P3), *Ptilotus mollis* (P4) and *Acacia bromilowiana* (P4)	14 Priority flora recorded: *Aristida jerichoensis* subsp. *subspinulifera* (P3), *Aristida lazaridis* (P2), *Spartothamnella puberula* (P2)[11], *Stylidium weeliwolli* (P2)[4], *Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) (P2)[2], *Acacia subtiliformis* (P3), *Euphorbia inappendiculata* (P3)[13], *Fimbristylis sieberiana* (P3), *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3), *Nicotiana umbratica* (P3)[14], *Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3), *Rostellularia adscendens* var. *latifolia* (P3), *Sida* sp. Barlee Range (P3)[8], *Eremophila magnifica* subsp. *magnifica* (P4) and *Goodenia nuda* (P4)[1]
	Threatened/ Priority Ecological Communities	Coolibah (Eucalyptus victrix) woodland over Lignum (Muehlenbeckia florulenta) over Swamp Wandiree (Eriachne benthamii) (Priority 1) Coolibah (Eucalyptus victrix) and Mulga (Acacia aneura) woodland over Lignum (Muehlenbeckia florulenta) and tussock grasses on clay plains (Priority 3)	None recorded
	WoNS and DP Weeds	None recorded	None recorded
	Range Extensions	**Stylosanthes hamata*	*Lamarchea sulcata*, *Phyllanthus reticulatus, Nicotiana umbratica* (P3)[14], *Hannafordia bissillii* subsp. *bissillii* and *Ventilago viminalis*
	Other significant findings	-	-
Other	**Limitations of Survey**	Dry seasonal conditions may have resulted in lower proportion of flora.	Evidence of frequent fire and grazing affected vegetation.
	Proximity	26 km	12 km

[1] *Goodenia nuda* (P4) is no longer a Priority taxa

[2] *Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) (P2) is now a Priority 3 taxon

[3] Some of these 25 taxa have updated WA conservation codes, with one, *Synostemon hamersleyensis*, now being Threatened

[4] *Stylidium weeliwolli* (P2) is now a Priority 3 taxa

[5] *Isotropis parviflora* (P2) is now a Priority 3 taxa

[6] *Eremophila* sp. West Angelas (S. van Leeuwen 4068) (P1) is now a Priority 2 taxa

[7] *Eremophila* sp. Hamersley Range (K. Walker KW 136) (P3) is now known as *Eremophila naaykensii* (P3)

[8] *Sida* sp. Barlee Range (S. van Leeuwen 1642) (P3) is now a Priority 4 taxa

[9]. Triumfetta leptacantha (P3) is no longer a Priority taxon

[10] *Aristida jerichoensis* var. *subspinulifera* (P1) is now a Priority 3 taxon

[11] *Spartothamnella puberula* (P2) is no longer a Priority taxon and is no longer thought to occur in Western Australia

[12] *Pilbara trudgenii* (P2) is now a Priority 3 taxon

[13] *Euphorbia inappendiculata* (P3) now has two variants, both Priority 2 taxa

[14] *Nicotiana umbratica* (P3) was a misidentification of Nicotiana karijini which is not of conservation significance

Appendix E: Assessment of occurrence

Taxon	Conservation code			Habit and habitat	Habitat within Survey Area	Within current known distribution	Proximity from Survey Area	Source	Post-survey likelihood
	DBCA	BC Act	EPBC Act						
Pre-survey likelihood - Confirmed									
Cladium procerum	P2			Densely tufted perennial, grass-like or herb (sedge), 2 m high. Fl. Nov (?). Perennial pools.	Yes	Yes	Within	A; C; D; E; F; L	Confirmed
Acacia subtiliformis	P3			Spindly, slender, erect shrub, to 3.5 m high, phyllodes green; inflorescence in heads to 6 mm diameter; peduncles red. Fl. yellow, Jun. On rocky calcrete plateau.	Yes	Yes	Within	A; B; G; I; J; O; Q; S; X; Z; AH	Confirmed
Fimbristylis sieberiana	P3			Shortly rhizomatous, tufted perennial, grass-like or herb (sedge), 0.25-0.6 m high. Fl. brown, May to Jun. Mud, skeletal soil pockets. Pool edges, sandstone cliffs	Yes	Yes	Within	A; C; D; E; F; Q; R; W; X; AA; AD; AH	Confirmed
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727)	P3			Open, erect annual or biennial, herb, to 0.2 m high. Fl. yellow. Red-brown clay soil, calcrete pebbles. Low undulating plain, swampy plains.	Yes	Yes	Within	A; G; H; I; J; K; O; P; Q; S; T; U; X; Z; AH	Confirmed
Grevillea saxicola	P3			Tree or shrub, to 8 m high, rough bark on trunks and stems. Fl. creamy white. Skeletal red brown sandy loam with ironstone pebble cover. Rocky gully, drainage lines, steep cliff, low rocky hills.	Yes	Yes	Within	A; B; P; S; Y; Z	Confirmed
Gymnanthera cunninghamii	P3			Erect shrub, 1-2 m high. Fl. cream-yellow-green, Jan to Dec. Sandy soils.	Yes	Yes	Within	A; P; Q; R; AD	Confirmed
Indigofera gilesii	P3			Shrub, to 1.5 m high. Fl. purple-pink, May or Aug. Pebbly loam. Amongst boulders & outcrops, hills.	Yes	Yes	Within	A; H; K; S; AC	Confirmed
Isotropis parviflora	P3			Shrub, 0.1 m high. Fl. white/pink, Mar. Valley slope of ironstone plateau.	Yes	Yes	Within	A; Q; S	Previously Confirmed
Rostellularia adscendens var. *latifolia*	P3			Herb or shrub, 0.1-0.3 m high. Fl. blue-purple-violet, Apr to May. Ironstone soils. Near creeks, rocky hills.	Yes	Yes	Within	A; B; C; D; I; O; Q; R; S; T; V; X; Z; AA; AD; AF; AG; AH	Confirmed
Stylidium weeliwolli	P3			Annual, herb, 0.1-0.25 m high, throat appendages 4, rod-shaped. Fl. pink & red, Aug to Sep. Gritty sand soil, sandy clay. Edge of watercourses	Yes	Yes	Within	A; C; D; E; F; L; M; N; O; Q; R; V; X; AA; AH	Confirmed
Triodia sp. Mt Ella (M.E. Trudgen 12739)	P3			Perennial, grass-like or herb, 0.4 m high. Light orange-brown, pebbly loam. Amongst rocks & outcrops, gully slopes.	Yes	Yes	Within	A; Q; S; Y; AG	Confirmed
Lepidium catapycnon	P4			Open, woody perennial, herb or shrub, 0.2-0.3 m high, stems zigzag. Fl. white, Oct. Skeletal soils. Hillsides.	Yes	Yes	Within	A; B; G; P; Q; R; S; T; X; Y; AA; AG	Confirmed
Pre-survey likelihood – Highly Likely									
Aristida lazaridis	P3			Tufted perennial, grass-like or herb, 0.4-1.5 m high. Fl. green/purple, Apr. Sand or loam.	Yes	Yes	0.9 km S	A; B; Q; V; Y; AC; AD; AF; AG; AH	Confirmed
Eremophila naaykensii	P3			Erect shrub, 1-3 m high. Fl. White/pale blue. Red brown sandy clay loam. Upper slopes, gullies, gorges.	Yes	Yes	0.2 km WNW	A; Q; Y	Confirmed
Rhagodia sp. Hamersley (M. Trudgen 17794)	P3			Tall spindly shrub, 1.5-4 m high. Fl. yellow. Red brown sandy loam or clay, ironstone plain. Undulating plains, floodplain.	Yes	Yes	0.4 km WNW	A; B; H; J; P; Q; S; V; X; Y; AF; AG; AH	Confirmed
Ipomoea racemigera	P3			Creeping annual, herb or climber. Fl. white.	Yes	Yes	27.7 km NW	A; C; D	Highly Likely
Pre-survey likelihood – Likely									
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708)	P2			Erect slender shrub, 1-3 m high. Fl. pale purple. Loamy skeletal soils. Gorge with ironstone outcropping, gullies, drainage line.	Yes	Yes	5.5 km W	A; Y	Confirmed
Pre-survey likelihood – Possible									
Oxalis sp. Pilbara (M.E. Trudgen 12725)	P3			Annual herb, 0.1-0.3 m high. Fl. Yellow. Brown sandy loam or clay. Gorge, ironstone outcrops, gully, shaded areas, creeklines.	Yes	No	8.7 km SSE	A	Confirmed
Acacia bromilowiana	P4			Tree or shrub, to 12 m high, bark dark grey, fibrous; inflorescence in spikes. Fl. yellow/pink, Jul to Aug. Red skeletal stony loam, orange-brown pebbly, gravel loam, laterite, banded ironstone, basalt. Rocky hills, breakaways, scree slopes, gorges, creek beds.	Yes	Partial	7.6 km WSW	A; O; Y; AB; AF; AG	Confirmed

Taxon	Conservation code			Habit and habitat	Habitat within Survey Area	Within current known distribution	Proximity from Survey Area	Source	Post-survey likelihood
	DBCA	BC Act	EPBC Act						
Eremophila sp. West Angelas (S. van Leeuwen 4068)	P2			Spindly shrub, 0.4-3 m high. Skeletal brown-red soil or loam. Hill slopes and summits.	Possible	Yes	18.1 km SSE	A; Y	Possible
Kohautia australiensis	P2			Erect sparsely or much-branched annual, herb, 0.1-0.5 m high. Fl. blue. Low calcrete outcrops.	Yes	No	40.9 km NW	A	Possible
Aristida jerichoensis var. *subspinulifera*	P3			Compactly tufted perennial, grass-like or herb, 0.3-0.8 m high, lemma groove muricate. Hardpan plains.	Yes	Yes	1.6 km S	A; P; AF; AG; AH	Possible
Dampiera metallorum	P3			Rounded, multistemmed perennial, herb, to 0.5 m high. Fl. blue, Apr or Jun to Oct. Skeletal red-brown gravelly soil over banded ironstone. Steep slopes, summits of hills.	Possible	No	17.8 km S	A; AG	Possible
Eremophila magnifica subsp. *velutina*	P3			Shrub, 0.5-1.5 m high. Fl. blue-purple, Aug to Sep. Skeletal soils over ironstone. Summits.	Yes	Yes	41.8 km W	A; O	Possible
Eremophila magnifica subsp. *magnifica*	P4			Shrub, 0.5-1.5 m high. Fl. blue, Aug to Nov. Skeletal soils over ironstone. Rocky screes.	Yes	Yes	6.5 km WNW	A; B; O; Y; Z; AE; AF; AG; AH	Possible
Ptilotus mollis	P4			Compact, perennial shrub, to 0.5 m high, soft grey foliage. Fl. white/pink, May or Sep. Stony hills and screes.	Possible	Yes	7.2 km SW	A; Y; Z; AG	Possible
Sida sp. Barlee Range (S. van Leeuwen 1642)	P4			Spreading shrub, to 0.5 m high. Fl. yellow, Aug. Skeletal red soils pockets. Steep slope.	Yes	Yes	8.6 km E	A; AA; AC; AD; AG; AH	Possible
Eragrostis sp. Mt Robinson (S. van Leeuwen 4109)	P2			Tussock-forming perennial, grass-like or herb, to 0.3 m high. Fl. Sep. Red-brown skeletal soils, ironstone. Steep slopes, summits.	Possible	Yes	12.7 km E	A	Unlikely
Amaranthus centralis	P3			Annual herb, decumbent or erect to 0.6 m high. Grows in red sand in ephemeral watercourses, sandy to clayey loam on river banks and edges of permanent pools in eucalypt lined channels, or acacia shrubland	Possible	No	16.9 km NW	A; Q	Unlikely
Themeda sp. Hamersley Station (M.E. Trudgen 11431)	P3			Tussocky perennial, grass-like or herb, 0.9-1.8 m high. Fl. Aug. Red clay. Clay pan, grass plain.	Possible	Yes	10.2 km S	A; Q; AG	Unlikely
Vittadinia sp. Coondewanna Flats (S. van Leeuwen 4684)	P3			Erect annual herb, 0.3-1 m high. Fl. cream, Mar-May, Jul-Sept. Red-brown sandy loam. Drainage areas, floodplains, flat and/or stony plains.	Possible	Partial	11.9 km S	A; P; AH	Unlikely
Pre-survey likelihood – Unlikely									
Calotis squamigera	P1			Procumbent annual, herb, to 0.21 m high. Fl. yellow, Jul. Pebbly loam	Possible	No	25.9 km N	A; Q	Unlikely
Paranotis sp. Pilbara (H. Ajduk HAOP04a)	P1			Ephemeral herb, somewhat identifiable when dead. Flowers and fruit in Feb - Mar. White flowers. Occurring in clay like terraces adjacent to flat broad drainage line on hardpan in the Hamersley, recorded primarily at Coondiner Creek. Associated species: *Acacia citrinoviridis*, *Acacia rhodophloia* and *Acacia tetragonophylla* over *Eremophila galeata* over mixed annual grasses and herbs.	Possible	No	19.8 km SE	A	Unlikely
Sida sp. Turee Creek (P.-L.de Kock PLDK1116)	P1			Sub-shrub to 0.4 m in height. Fl. yellow, Jul. Clay-loam, ironstone gravel/pebbles. Mulga plains.	Possible	No	47.4 km SW	A	Unlikely
Dolichocarpa sp. Hamersley Station (A.A. Mitchell PRP 1479)	P3			Spreading annual, herb, 0.05-0.1 m high. Fl. blue, Mar. Cracking clay, basalt. Gently undulating plain with large surface rocks, flat crab holed plain	No	No	41.6 km NW	A	Unlikely
Euphorbia australis var. *glabra*	P3			Annual prostrate herb, leaves green with a red tinged margins. Drainage lines on clay loam and river sand	Possible	No	38.7 km NW	A	Unlikely
Euphorbia inappendiculata var. *inappendiculata*	P3			Prostrate annual herb, to 0.1 m high. Red brown clay loam. Flat plain, cracking clay floodplain, gentle slopes.	Possible	No	43.1 km N	A; AH*	Unlikely
Glycine falcata	P3			Mat-forming perennial, herb, to 0.2 m high. Fl. blue-purple, May or Jul. Black clayey sand. Along drainage depressions in crabhole plains on river floodplains.	Possible	No	41.6 km NW	A	Unlikely
Olearia mucronata	P3			Densely branched, unpleasantly aromatic shrub, 0.6-1 m high. Fl. white & yellow, Aug to Dec or Jan. Schistose hills, along drainage channels.	Possible	No	48.3 km W	A	Unlikely

Taxon	Conservation code			Habit and habitat	Habitat within Survey Area	Within current known distribution	Proximity from Survey Area	Source	Post-survey likelihood
	DBCA	BC Act	EPBC Act						
Pilbara trudgenii	P3			Gnarled, aromatic shrub, to 1 m high. Fl. Sep. Skeletal, red stony soil over ironstone. Hill summits, steep slopes, screes, cliff faces.	Possible	No	26.4 km W	A; AG	Unlikely
Solanum kentrocaule	P3			Spiny, erect perennial shrub, to 0.7 m high. Fl. purple. Steep rocky gullies, gorges, outcrops, cliffs.	Possible	No	28.3 km W	A	Unlikely
Synostemon hamersleyensis	T	EN		Shrub to 1 m high. Steep slopes, scree, cliffs, gorges. Ironstone	Possible	No	22.5 km N	A; Q	Highly Unlikely
Isotropis forrestii	P1			Erect shrub, 0.4-1.5 m high. Fl. yellow/orange & red, Apr to Sep or Dec. Stony clay loam, sandy alluvium. Along drainage lines.	Possible	No	2.0 km NW (ALA record / NT specimen)	A	Highly Unlikely
Samolus sp. Fortescue Marsh (A. Markey & R. Coppen FM 9702)	P1			Shrub or perennial herb to 1.5 m high. Fl. white, Mar, May, Jul-Oct. Red clay loam, red sand, heavy clay, calcrete. Floodplain, edge of lakes/marshes, salt flats.	No	No	49.6 km NE	A	Highly Unlikely
Tetratheca fordiana	P2			Dwarf shrub, 0.2-0.4 m high. Fl. dark pink or lilac. Skeletal soils/ironstone. Vertical cliff face and upper rocky ridgelines, breakaways.	No	No	47.6 km WSW	A	Highly Unlikely
Triodia karijini	P2			Hummock grass to 0.9 m high. Steep hillslopes, hillcrests, ironstone outcrops on grey-brown silty loam	No	No	26.9 km W	A	Highly Unlikely
Acacia effusa	P3			Low, dense, spreading, somewhat viscid shrub, 0.3-1 m high, bark 'minni-ritchi'. Fl. yellow, May to Aug. Stony red loam. Scree slopes of low ranges	No	No	39.6 km WNW	A	Highly Unlikely
Euphorbia stevenii	P3			Somewhat succulent perennial, herb, 0.1-0.5 m high. Clay, sandy soils.	No	No	49.2 km WSW	A	Highly Unlikely
Goodenia lyrata	P3			Prostrate herb, with lyrate leaves. Fl. yellow, Aug. Red sandy loam. Near claypan	No	No	34.2 km W	A; Z	Highly Unlikely
Sida sp. Hamersley Range (K. Newbey 10692)	P3			Low, spreading shrub, to 0.5 m high. Fl. yellow. Brown loamy soil. Base of breakaways, gullies, hill summits.	No	No	49 km WSW	A	Highly Unlikely
Streptoglossa sp. Cracking clays (S. van Leeuwen et al. PBS 7353)	P3			Erect or decumbent annual herb, multi-stemmed to 0.25 m tall. Fl. pink, June. Clay-loam. Cracking clay, colluvium/alluvium, sheet-flow, sub-saline flats, ironstone flats.	No	Yes	25.6 km E	A	Highly Unlikely
Swainsona thompsoniana	P3			Prostrate annual herb, to 0.2 m high, Fl. blue, Mar-Sep, Nov-Dec. Higher altitude floodplains, top of hilltops and cracking clays on red-brown clay.	No	No	49.2 km WSW	A	Highly Unlikely
Triodia basitricha	P3			Hummock grass to 0.8 m high, non-resinous. Red/brown clay loam over ironstone. Floodplains, flat hill crest, lower slopes.	No	No	30.2 km W	A	Highly Unlikely
Eremophila youngii subsp. *lepidota*	P4			Dense, spreading shrub, (0.2-)1-3 m high. Fl. purple-red-pink, Jan or Mar or Jun or Aug to Sep. Stony red sandy loam. Flats plains, floodplains, sometimes semi-saline, clay flats.	No	No	38.9 km NE	A	Highly Unlikely
Rhynchosia bungarensis	P4			Compact, prostrate shrub, to 0.5 m high. Fl. yellow. Pebbly, shingly coarse sand amongst boulders. Banks of flow line in the mouth of a gully in a valley wall. Granite	No	No	32.6 km NW	A	Highly Unlikely
Pre-survey likelihood – Highly Unlikely									
Lindernia sp. Pilbara (M.N. Lyons & L. Lewis FV 1069)	P1			Erect, annual herb. Claypans, low dunes/slopes, waters edge.	No	No	40.8 km NE	A	Highly Unlikely
Myriocephalus scalpellus	P1			Semi-erect herb, 0.03-0.08 m high. Clay. Depression on flood plain.	No	No	40.7 km NE	A	Highly Unlikely
Rorippa sp. Fortescue Valley (M.N. Lyons & R.A. Coppen FV 0760)	P1			Herb. Riparian slope beside water. Coolibah over lignum.	No	No	40.8 km NE	A	Highly Unlikely
Neptunia longipila	P2			Prostrate shrub, with sensitive leaves. Fl. yellow-green, Mar-Sept. Cracking clay on basalt, sandy loam.	No	No	46.7 km WSW	A	Highly Unlikely
Atriplex flabelliformis	P3			Herb, 0.5 m high. Gilgai plains and marshes	No	No	36.7 km NNE	A; Q	Highly Unlikely
Crotalaria smithiana	P3			Annual, herb, to 0.4 m high. Fl. yellow, Jun. Regeneration site on floodplain.	No	No	70.8 km SE	Q	Highly Unlikely

Taxon	Conservation code			Habit and habitat	Habitat within Survey Area	Within current known distribution	Proximity from Survey Area	Source	Post-survey likelihood
	DBCA	BC Act	EPBC Act						
Eremophila rigida	P3			Bushy shrub, 0.3-4 m high. Fl. cream, Sep. Red sand alluvium. Hardpan plains, stony clay depressions.	No	No	47.7 km S	A; Q	Highly Unlikely
Eremophila spongiocarpa	P3			Compact, succulent-leaved shrub, to 1 m high. Fl. white, May or Sep. Weakly saline alluvial plain on margins of marsh.	No	No	43 km NNW	A; Q	Highly Unlikely
Hibiscus krichauffianus	P3			Low or ascending shrub, (0.03-)0.2-0.7 m high. Fl. purple-pink, Mar or Oct. Red sandy soils.	No	No	12.9 km S (ALA record / CANB specimen)	A	Highly Unlikely
Iotasperma sessilifolium	P3			Erect herb. Fl. pink. Cracking clay, black loam. Edges of waterholes, plains.	No	No	54.3 km NW	Q	Highly Unlikely
Polymeria distigma	P3			Prostrate trailing herb. Fl. pink, Apr to Jul. Sandy soils.	No	No	11.5 km N (ALA record / NT specimen)	A; Q	Highly Unlikely
Tecticornia medusa	P3			Erect shrub to 0.7 m. Articles bright green. Flat saline floodplain. Red clay. Samphire flats	No	No	40 km NE	A; Q	Highly Unlikely
Xerochrysum boreale	P3			Perennial, erect shrub, 0.15-1 m high. Flowers yellow. Red-brown clay loam. Stony plain.	No	No	47.7 km W (ALA record / NT specimen)	A	Highly Unlikely

A = Database searches (TPFL. WAH &/or ALA); B = Astron (2020); C = Biologic (2023b); D = Biologic (2023c); E = Biologic (2023d); F = Biologic (2023e); G = Biota (2011); H = ENV (2010a); I = ENV (2010b); J = ENV (2010c); K = ENV (2009); L = Mattiske (2014a); M = Mattiske (2014b); N= Mattiske (2013); O = Mattiske (2009); P = Onshore (2017); Q = Onshore (2016); R = Onshore (2016); S = Onshore (2012b); T = Onshore and Biologic (2009); U = Pilbara Flora (2009); V = Rio Tinto (2023); W = Trudgen (1984); X = Woodman (2010); Y = Astron (2019); Z = Biota (2012b); AA = Onshore (2012c); AB = Astron (2010); AC = Biologic (2023a); AD = Biologic (2021); AE = ENV (2007); AF = Onshore (2014); AG = Onshore (2012d); AH = Onshore (2011). *Refers to *Euphorbia inappendiculata* in report as it was published before variants recognised.

Appendix F: Sample site data

Jinidi F&V **Site JIN-001**



Date 18/09/2023
Described by Sam Coultas, Sammy Alatas
Type Quadrat 50m x 50m
Location MGA Zone 50
725607 mE; 7462202 mN
119.1999 E -22.933061 S
Veg Condition Excellent
Soil Clay Loam
Rock Type Limestone
Fire Age Old (6+ yr)
Habitat Calcrete Plain
Vegetation *Triodia wiseana* low hummock grassland with *Acacia subtiliformis* (P3) mid sparse shrubland with *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	1.7			
Acacia pyrifolia var. *pyrifolia*	0.1	1.8			
Acacia spondylophylla	0.1	0.2			
Acacia subtiliformis (P3)	2	1.5			
Androcalva luteiflora	0.5	0.1			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.3			
Corymbia hamersleyana	1	5			
Euploca pachyphylla	0.1	1.3			
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	0.1	0.1			
Jasminum didymum subsp. *lineare*	0.1	0.4			
Ptilotus exaltatus	0.1	0.4			
Triodia wiseana	32	0.3			

Jinidi F&V **Site JIN-002**



Date	18/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	724214 mE; 7462083 mN
	119.1864 E -22.934321 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	Limestone
Fire Age	Old (6+ yr)
Habitat	Minor Drainage Line
Vegetation	*Themeda triandra*, *Eriachne mucronata* low tussock grassland with *Acacia bivenosa*, *Androcalva luteiflora* mid open shrubland over *Triodia wiseana* low sparse hummock grassland with *Eucalyptus xerothermica*, *Corymbia hamersleyana* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	15	1.8			
Acacia pyrifolia var. *pyrifolia*	0.1	1.8			
Acacia subtiliformis	0.1	2			
Androcalva luteiflora	3	1.8			
Corymbia hamersleyana	3	6			
Cymbopogon ambiguus	0.1	0.4			
Dodonaea lanceolata var. *lanceolata*	0.1	0.4			
Duperreya commixta	0.1	0.1			
Enneapogon caerulescens	0.1	0.3			
Eriachne mucronata	5	0.3			
Eucalyptus xerothermica	3	6			
Eulalia aurea	0.1	0.3			
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	0.1	0.1			
Jasminum didymum subsp. *lineare*	0.1	1			JIN002.01
Lepidium phlebopetalum	0.5	0.4			
Paraneurachne muelleri	0.1	0.2			
Petalostylis labicheoides	0.1	2			
Polymeria ambigua	0.1	0.1			
Rostellularia adscendens var. *latifolia* (P3)	0.1	0.3			
Santalum lanceolatum	0.1	1			
Tephrosia rosea var. *Fortescue creeks* (M.I.H. Brooker 2186)	0.1	0.4			
Themeda triandra	30	0.4			
Tricoryne sp. Hamersley Range (S. van Leeuwen 915)	0.1	0.9			
Triodia angusta	0.1	0.4			
Triodia wiseana	5	0.4			

Jinidi F&V **Site JIN-003**

Date 15/09/2023 & 26/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

735649 mE; 7462616 mN

119.2977 E -22.927940 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp *leucophloia* low open woodland with *Acacia inaequilatera* tall sparse shrubland over *Acacia hilliana*, *Acacia adoxa* var. *adoxa* low sparse shrubland over *Fimbristylis simulans*, *Fimbristylis dichotoma* low sparse sedgeland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.3	0.3	
Acacia hilliana	3	0.3	4	0.3	
Acacia inaequilatera	0.5	5	1	5	
Acacia pachyacra	0.1	0.6	0.1	0.6	
Afrohybanthus aurantiacus	0.1	0.6	0.1	0.6	
Amphipogon sericeus	0.1	0.2			JIN029.06
Bonamia pilbarensis	0.1	0.1	0.1	0.1	JIN036.01
Bulbostylis barbata	0.1	0.1			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.3	0.1	0.3	
Eriachne mucronata	0.1	0.2			
Eucalyptus leucophloia subsp. *leucophloia*	0.1	6	0.8	6	
Fimbristylis dichotoma			0.2	0.2	
Fimbristylis simulans			1	0.2	
Goodenia stobbsiana	0.1	0.2			
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Grevillea wickhamii	0.1	0.5	0.1	0.5	
Hakea chordophylla	0.1	2.5	0.1	2.5	
Hibiscus sturtii var. *campylochlamys*	0.1	0.3			
Indigofera monophylla	0.1	0.1	0.1	0.1	
Petalostylis labicheoides	0.1	1	0.1	1	
Ptilotus calostachyus	0.1	0.7			
Scaevola browniana subsp. *browniana*			0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	0.4	0.1	0.4	
Triodia vanleeuwenii	30	0.3	65	0.3	
Triodia wiseana	0.1	0.3	0.3	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-006**



Date	26/03/2024
Described by	Sam Coultas, Sammy Alatas
Type	Quadrat 50m x 50m
Location	MGA Zone 50 729923 mE; 7464976 mN 119.2416 E -22.907434 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Hillslope
Vegetation	*Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Acacia spondylophylla*, *Acacia hilliana* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia hilliana			1	0.4	
Acacia inaequilatera			0.1	1.8	
Acacia spondylophylla			2	0.5	
Amphipogon sericeus			0.1	0.3	
Bonamia pilbarensis			0.1	0.1	
Eriachne mucronata			0.1	0.3	
Eriachne pulchella subsp. *dominii*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*			1	4.5	
Fimbristylis simulans			0.1	0.2	
Goodenia stobbsiana			0.1	0.3	
Goodenia triodiophila			0.1	0.2	
Grevillea wickhamii			0.1	1.2	
Ptilotus calostachyus			0.1	0.5	
Senna glutinosa subsp. *glutinosa*			0.1	0.4	
Senna glutinosa subsp. *pruinosa*			0.1	0.4	
Senna glutinosa subsp. x *luerssenii*			0.1	0.7	
Tribulus hirsutus			0.1	0.1	
Triodia pungens			0.1	0.4	
Triodia vanleeuwenii			20	0.2	
Triodia wiseana			11	0.4	

Jinidi F&V **Site JIN-007**



Date	18/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Quadrat 100m x 25m
Location	MGA Zone 50 725478 mE; 7462732 mN 119.1986 E 22.928299 S
Veg Condition	Very Good
Soil	Clayey Sand
Rock Type	Detritals (riverstone)
Fire Age	Old (6+ yr)
Habitat	Major Drainage Line
Vegetation	*Eucalyptus camaldulensis* subsp. *refulgens* mid woodland over *Corchorus crozophorifolius* mid sparse shrubland over *Cymbopogon ambiguus*, *Themeda triandra* tall sparse tussock grassland with *Acacia pyrifolia* var. *pyrifolia* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	0.5			JIN037.11
Acacia arida	0.1	1.7			
Acacia bivenosa	0.1	2.5			
Acacia citrinoviridis	0.1	2.5			
Acacia pyrifolia var. *pyrifolia*	0.5	2.8			
Adriana tomentosa var. *hookeri*	0.1	1.7			JIN007.01
Afrohybanthus aurantiacus	0.1	0.1			
Androcalva luteiflora	0.1	1.7			
Arivela viscosa	0.1	0.4			
Atalaya hemiglauca	0.1	6			
Capparis spinosa subsp. *nummularia*	0.1	0.1			
**Cenchrus setiger*	0.1	0.4			
Corchorus crozophorifolius	5	1.5			
Cymbopogon ambiguus	1.5	1			
Cyperus vaginatus	0.1	1			
Dodonaea lanceolata var. *lanceolata*	0.1	2			JIN007.03
Enneapogon caerulescens	0.1	0.7			
Enneapogon polyphyllus	0.1	0.1			
Eriachne ? benthamii	0.1	0.4			JIN037.13
Eucalyptus camaldulensis subsp. *refulgens*	3	20			
Eulalia aurea	0.1	0.5			
Euploca ?cunninghamii	0.1	0.4			JIN007.04
Gossypium robinsonii	0.1	3.5			
Grevillea wickhamii	0.1	3			
Melhania oblongifolia	0.1	0.6			JIN007.02
Nellica maderaspatensis	0.1	0.5			
Paraneurachne muelleri	0.1	0.3			
Petalostylis labicheoides	0.1	3			
Rhynchosia minima	0.1	0.1			
Stemodia grossa	0.1	0.5			
Stylobasium spathulatum	0.1	1.7			
Tephrosia rosea var. Fortescue creeks (M.I.H.	1	0.9			
Themeda triandra	0.5	0.5			
Vachellia farnesiana var. *farnesiana*	0.1	2.5			JIN037.11

Jinidi F&V **Site JIN-009**



Date	18/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Quadrat 50m x 50m
Location	MGA Zone 50 727693 mE; 7461918 mN 119.2203 E -22.935345 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	Limestone
Fire Age	Old (6+ yr)
Habitat	Calcrete Plain
Vegetation	*Triodia wiseana* low hummock grassland with *Acacia bivenosa* mid open shrubland with *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	10	1.7			
Acacia pyrifolia var. *pyrifolia*	0.1	1.8			
Androcalva luteiflora	0.5	0.1			
Corymbia hamersleyana	0.5	4			
Euploca pachyphylla	0.1	1.3			
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	0.1	0.1			
Halgania cyanea var. Allambi Stn (B.W. Strong 676)	0.1	0.4			
Salsola australis	0.1	0.1			
Triodia wiseana	45	0.3			

Jinidi F&V **Site JIN 011**

Date 1/11/2023 & 11/03/2024

Described by Sam Coultas, Sammy Alatas & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

725171 mE; 7450106 mN

119.1974 E -23.042310 S

Veg Condition Excellent

Soil Clay Loam

Rock Type Limestone (calcrete and ironstone)

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia wiseana* low hummock grassland with *Eucalyptus socialis* subsp. *eucentrica* low open mallee woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0.4	0.1	0.4	
Amphipogon sericeus	0.1	0.2			
Androcalva luteiflora	0.1	0.4	0.1	0.6	
Corchorus lasiocarpus	0.1	0.4	0.1	0.2	
Eragrostis setifolia			0.1	0.2	JIN137.02w
Eriachne mucronata	0.1	0.3	0.1	0.2	
Eucalyptus socialis subsp. *eucentrica*	5	2	5	2	JIN011.01
Euploca ?ovalifolia	0.1	0.1			
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	0.1	0.1	0.1	0.1	
Goodenia stobbsiana	0.1	0.3			
Goodenia triodiophila			0.1	0.1	
Hibiscus sturtii var. *campylochlamys*	0.1	0.3	0.1	0.1	
Indigofera monophylla			0.1	0.2	
Petalostylis labicheoides	0.1	1.6	0.1	1.8	
Ptilotus clementii	0.1	0.3			
Ptilotus exaltatus	0.1	0.4			
Senna artemisioides subsp. *helmsii*			0.1	0.1	
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1	
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2			
Triodia wiseana	36	0.3	36	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-012**



Date 18/09/2023 & 22/03/2024

Described by Carmel Winton, April Slater & Sam Coultas

Type Quadrat 50m x 50m

Location MGA Zone 50

735298 mE; 7450982 mN

119.2961 E -23.033000 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF (basalt and ironstone)

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Eucalyptus gamophylla*, *Eucalyptus leucophloia* subsp. *leucophloia*, *Hakea chordophylla* low open woodland over *Acacia hilliana*, *Acacia adoxa* var. *adoxa*, *Gompholobium oreophilum* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.1	0.3	
Acacia hilliana	3	0.2	3	0.2	
Acacia pruinocarpa	0.1	2.7	0.1	2.7	
Acacia pyrifolia var. *pyrifolia*	0.1	0.2	0.1	0.4	
Afrohybanthus aurantiacus	0.1	0.1	0.1	0.1	
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Aristida contorta			0.1	0.1	
Calytrix carinata	0.1	0.6	0.1	0.6	
Corchorus lasiocarpus subsp. *parvus*			0.1	0.2	
Cymbopogon ambiguous	0.1	0.2	0.1	0.4	
Eriachne lanata	0.1	0.3	0.1	0.3	
Eriachne pulchella			0.1	0.1	
Eucalyptus gamophylla	2.5	3	2.5	3	
Eucalyptus kingsmillii			0.1	1.2	
Eucalyptus leucophloia subsp. *leucophloia*	1.5	5	1.5	5	
Euploca sp. Indet	0.1	0.2			
Gompholobium oreophilum	0.1	0.4	0.1	0.4	
Goodenia stobbsiana			0.1	0.1	
Goodenia triodiophila			0.1	0.2	
Hakea chordophylla	0.5	3.5	0.5	3.5	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Mirbelia viminalis	0.1	0.4	0.1	0.4	
Petalostylis labicheoides	0.1	1.8	0.1	1.8	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Scaevola browniana subsp. *browniana*	0.1	0.4	0.1	0.4	
Senna ferraria	0.1	0.8			JIN108.02
Senna glutinosa subsp. *glutinosa*	0.1	1.3	0.1	1.3	
Senna glutinosa subsp. x *luerssenii*			0.1	1	
Senna symonii			0.5	0.8	
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1	0.1	0.1	
Solanum centrale			0.1	0.3	JIN198.03w
Solanum cleistogamum	0.1	0.2	0.1	0.2	
Solanum lasiophyllum	0.1	0.6	0.1	0.4	
Triodia vanleeuwenii	58	0.3	58	0.3	
Triodia wiseana	0.5	0.4	0.5	0.4	

Jinidi F&V **Site JIN-013**



Date	16/09/2023
Described by	Carmel Winton, April Slater
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	728248 mE; 7461435 mN
	119.2258 E -22.939623 S
Veg Condition	Excellent
Soil	Sand
Rock Type	BIF
Fire Age	Moderate (3 to 5 yr)
Habitat	Minor Drainage Line
Vegetation	*Acacia tumida var. pilbarensis*, *Grevillea wickhamii*, *Acacia pyrifolia* var. *pyrifolia* tall open shrubland with *Eucalyptus xerothermica*, *Eucalyptus gamophylla* low sparse woodland over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low open shrubland over *Themeda triandra*, *Eriachne benthamii*, *Paraneurachne muelleri* low open tussock grassland with *Triodia wiseana*, *Triodia pungens* low sparse hummock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet	0.1	0.1			
Acacia pyrifolia var. *pyrifolia*	3	1.6			
Acacia tumida var. *pilbarensis*	6	2.4			JIN093.06
Androcalva luteiflora	2	1.4			
Bonamia erecta	0.1	0.6			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5			
Cymbopogon ambiguous	0.1	0.4			
Duperreya commixta	0.1	0.1			
Eremophila longifolia	0.1	0.6			
Eriachne ? benthamii	1.5	0.5			JIN037.13
Eucalyptus gamophylla	1	2.4			
Eucalyptus xerothermica	4	4			
Gossypium robinsonii	0.1	3.5			
Grevillea wickhamii	3	3			
Hakea lorea subsp. *lorea*	0.1	2.5			
Indigofera monophylla	0.1	0.5			
Jasminum didymum subsp. *lineare*	0.1	0.1			
Paraneurachne muelleri	1.5	0.3			
Petalostylis labicheoides	2	2.5			
Santalum lanceolatum	1	1.8			
Senna artemisioides subsp. *helmsii x oligophylla*	0.1	1.4			
Solanum lasiophyllum	0.1	0.2			
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker	18	0.5			JIN013.01
Themeda triandra	25	0.5			
Triodia pungens	8	0.5			

Jinidi F&V **Site JIN-014**

Date 2/11/2023 & 11/03/2024

Described by Sam Coultas & Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

724023 mE; 7450118 mN

119.1862 E -23.042356 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Moderate (3 to 5 yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Acacia arida*, *Mirbelia viminalis* low open shrubland over *Eriachne lanata* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	11	0.6	11	0.6	
Amphipogon sericeus	0.1	0.3			
Bonamia pilbarensis			0.1	0.1	
Calytrix carinata	0.1	0.3	0.1	0.3	
Eriachne lanata	4	0.3	4	0.3	
Eucalyptus gamophylla	0.1	0.3	0.1	0.3	
Goodenia stobbsiana	0.1	0.2	0.1	0.1	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Indigofera monophylla			0.1	0.1	
Mirbelia viminalis	1	0.5	1	0.5	
Ptilotus astrolasius	0.1	0.3	0.1	0.1	
Ptilotus calostachyus	0.1	0.7	0.1	0.1	
Ptilotus exaltatus	0.1	0.2			
Triodia vanleeuwenii	32	0.3	32	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-015**



Date 18/09/2023

Described by Ryan Woodhouse, Kelby Jennings

Type Quadrat 50m x 50m

Location MGA Zone 50

726389 mE; 7462648 mN

119.2075 E -22.928925 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type Detritals

Fire Age Moderate (3 to 5 yr)

Habitat Calcrete Plain

Vegetation *Triodia wiseana* low open hummock grassland with *Acacia subtiliformis* (P3) tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0.6			
Acacia pyrifolia var. *pyrifolia*	0.1	2.2			
Acacia spondylophylla	0.1	0.4			
Acacia subtiliformis	0.5	2.2			
Androcalva luteiflora	0.1	0.6			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.3			
Eucalyptus gamophylla	0.1	0.3			
Eucalyptus sp. Indet	0.1	1.2			JIN015.01
Euploca chrysocarpa	0.1	0.2			JIN015.02
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)	0.1	0.1			KJRW.006
Pentalepis trichodesmoides subsp. trichodesmoides	0.1	0.8			JIN015.03
Ptilotus clementii	0.1	0.1			JIN015.04
Senna artemisioides subsp. oligophylla	0.1	0.4			
Triodia wiseana	18	0.4			

Jinidi F&V **Site JIN-017**



Date	18/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	727620 mE; 7462790 mN
	119.2195 E -22.927477 S
Veg Condition	Excellent
Soil	Clayey Sand
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Stony Plain
Vegetation	*Triodia vanleeuwenii*, *Triodia wiseana* low open hummock grassland with *Eucalyptus gamophylla* low isolated mallee woodland with *Acacia arida*, *Acacia spondylophylla* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.2	0.4			
Acacia inaequilatera	0.1	0.1			
Acacia spondylophylla	0.1	0.5			
Amphipogon sericeus	0.1	0.1			JIN029.06
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5			
Eucalyptus gamophylla	0.1	2.5			
Euploca chrysocarpa	0.1	0.1			JIN015.02
Indigofera monophylla	0.1	0.4			
Paraneurachne muelleri	0.1	0.3			
Ptilotus astrolasius	0.1	0.3			
Ptilotus calostachyus	0.1	0.6			
Ptilotus exaltatus	0.1	0.2			
Senna artemisioides subsp. *oligophylla*	0.1	0.3			
Triodia vanleeuwenii	17	0.2			
Triodia wiseana	8	0.3			

Jinidi F&V **Site JIN-019**



Date	18/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Quadrat 50m x 50m
Location	MGA Zone 50 728465 mE; 7462224 mN 119.2278 E -22.932472 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Undulating Low Hills
Vegetation	*Triodia vanleeuwenii* low open hummock grassland with *Corymbia deserticola* subsp. *deserticola* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ancistrocarpa	0.1	1.7			JIN019.03
Acacia bivenosa	0.1	1.6			
Acacia hilliana	0.1	0.2			
Acacia maitlandii	0.1	2.4			
Acacia tenuissima	0.1	1.8			
Afrohybanthus aurantiacus	0.1	0.8			
Amphipogon sericeus	0.1	0.3			JIN045.01
Calytrix carinata	0.1	0.3			
Corymbia deserticola subsp. *deserticola*	0.1	3			
Cymbopogon ambiguus	0.1	0.2			
Eremophila longifolia	0.1	1			JIN019.02
Eucalyptus leucophloia subsp. *leucophloia*	0.1	2			
Goodenia triodiophila	0.1	0.1			
Grevillea wickhamii	0.1	2			
Hakea chordophylla	0.1	2.4			
Hakea lorea subsp. *lorea*	0.1	2.3			
Hibiscus ?sturtii	0.1	0.1			
Ptilotus calostachyus	0.1	0.6			
Ptilotus rotundifolius	0.1	0.8			
Senna artemisioides subsp. *oligophylla*	0.1	0.4			
Senna ferraria	0.1	2.5			JIN019.01
Senna glutinosa subsp. *glutinosa*	0.1	1.6			
Senna glutinosa subsp. *pruinosa*	0.1	1.7			
Solanum lasiophyllum	0.1	0.4			
Triodia vanleeuwenii	28	0.4			
Triodia wiseana	0.1	0.3			JIN019.03

Jinidi F&V **Site JIN-020**



Date	16/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Quadrat 50m x 50m
Location	MGA Zone 50 729981 mE; 7461418 mN 119.2427 E -22.939539 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Undulating Low Hills
Vegetation	*Triodia vanleeuwenii* low open hummock grassland with *Acacia inaequilatera*, *Hakea chordophylla* tall isolated shrubs over *Amphipogon sericeus* low isolated tussock grasses

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2			
Acacia adsurgens	0.1	0.7			JIN045.04
Acacia bivenosa	0.1	0.7			
Acacia inaequilatera	0.1	2			
Amphipogon sericeus	1	0.3			JIN045.01
Anthobolus leptomerioides	0.1	1.5			JIN020.01
Bonamia pilbarensis	0.1	0.1			JIN036.01
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4			
Cymbopogon ambiguus	0.1	0.3			
Dampiera candicans	0.1	0.5			
Gompholobium oreophilum	0.1	0.3			JIN029.04
Goodenia stobbsiana	0.1	0.1			
Goodenia triodiophila	0.1	0.1			
Hakea chordophylla	0.1	3.5			
Ptilotus calostachyus	0.1	0.7			
Solanum horridum	0.1	0.4			JIN020.01
Solanum lasiophyllum	0.1	0.3			
Triodia vanleeuwenii	11	0.2			

Jinidi F&V **Site JIN-021**

Date 14/09/2023 & 25/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Emily Eakin-Busher, Rylan Cunnane, Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

731498 mE; 7464342 mN

119.2570 E -22.912940 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Eriachne mucronata* low open tussock grassland with *Gossypium robinsonii*, *Acacia pyrifolia* var. *pyrifolia, Acacia monticola* tall sparse

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	1.7	0.1	0.5	JIN037.11
Acacia aptaneura	0.1	2.5	0.1	2.5	
Acacia arida	0.1	1.2	0.1	1.7	
Acacia hamersleyensis	0.1	4	0.1	4	
Acacia maitlandii	0.1	2.5	0.1	2	
Acacia monticola	0.1	1.5	0.1	3	
Acacia pruinocarpa	0.1	6	0.1	6	
Acacia pteraneura			0.1	3	JIN021.06w
Acacia pyrifolia var. *pyrifolia*	0.5	2.5	0.5	2.8	
Acacia spondylophylla	0.1	1	0.1	1	
Acacia tumida var. *pilbarensis*	0.1	5			
Afrohybanthus aurantiacus			0.1	0.3	
Amaranthus undulatus			0.1	0.2	
Aristida burbidgeae	0.1	0.4	0.1	0.3	
Aristida holathera var. *holathera*	0.1	0.5	0.1	0.3	
Arivela viscosa			0.1	0.3	
Atalaya hemiglauca	0.1	6	0.1	6	
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.1	0.1	
Bulbostylis barbata			0.1	0.1	JIN021.04w
**Cenchrus ciliaris*	0.1	0.3	0.1	0.4	
Cheilanthes brownii			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.1	
Clerodendrum floribundum var. *angustifolium*	0.1	3	0.1	3	
Corchorus crozophorifolius	0.1	0.3			
Corchorus incanus subsp. *lithophilus*	0.1	1	0.1	1	JIN030.01
Corymbia ferriticola	0.1	9	0.1	9	
Corymbia hamersleyana	0.1	7	0.1	7	
Cullen leucochaites	0.1	1.5	0.1	0.3	JIN021.03
Cymbopogon ambiguous	1	0.5	0.1	0.3	
Dodonaea pachyneura	0.1	1.5	0.1	2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya subsp. *rhadinostachya*	0.1	0.1			
Enneapogon caerulescens	1	0.4	0.1	0.2	
Enneapogon polyphyllus			0.1	0.2	
Eremophila naaykensii (P3)	2	2	2	2	JIN021.02

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eremophila sp. Indet.			0.1	0.2	JIN021.07w
Eriachne benthamii			20	0.3	
Eriachne mucronate	25	0.3	10	0.3	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.2	7	0.1	7	
Euphorbia biconvexa	0.1	0.1	0.1	0.3	
Euphorbia drummondii			0.1	0.2	JIN167.09W
Euploca tenuifolia			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Gomphrena cunninghamii			0.1	0.1	
Gossypium robinsonii	1	4.5	1	4.5	
Grevillea pyramidalis subsp. *leucadendron*	0.1	3	0.1	2	
Grevillea wickhamii	0.1	1.8	0.1	3	
Hibiscus coatesii	0.1	0.1			JIN037.09
Hibiscus sp. Mt Robinson (G. Byrne 3537)			0.1	2	
Indigofera monophylla	0.1	0.3	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Nellica maderaspatensis	0.1	0.4	0.1	0.2	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.2	
Paspalidium basicladum			0.1	0.2	
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.1	2	0.1	2.3	
Pluchea dentex	0.1	0.3			
Polycarpaea longiflora	0.1	0.1	0.1	0.1	
Polygala glaucifolia			0.1	0.1	
Portulaca oleracea			0.1	0.1	
Psydrax latifolia	0.1	3	0.1	3	
Pterocaulon sphacelatum	0.1	0.4			
Ptilotus obovatus var. *obovatus*	0.1	0.7	0.1	0.7	
Rhynchosia minima	0.1	0.3	0.1	0.1	
Santalum lanceolatum	0.1	2	0.1	2.2	
Senna glutinosa subsp. glutinosa	0.1	1.5	0.1	1	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3	0.1	0.3	
Solanum cleistogamum	0.1	0.3	0.1	0.3	
Solanum lasiophyllum	0.1	0.3	0.1	0.3	
Tephrosia virens	0.1	1	0.1	1.2	JIN021.01
Themeda triandra	2	0.4	2	0.3	
Tinospora smilacina			0.1	0.1	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*	0.1	1.8	0.1	0.2	
Triodia pungens	0.1	0.4	0.1	0.3	
Triodia wiseana			0.1	0.3	
Triumfetta leptacantha			0.1	0.3	JIN021.05w



Phase 1



Phase 2

Jinidi F&V **Site JIN-022**



Date	15/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Quadrat 50m x 50m
Location	MGA Zone 50 728594 mE; 7463530 mN 119.2288 E -22.920671 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Undulating Low Hills
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Acacia spondylophylla*, *Acacia hilliana* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ancistrocarpa	0.1	0.4			
Acacia hilliana	1	0.3			
Acacia inaequilatera	0.1	2			
Acacia maitlandii	0.1	0.2			
Acacia spondylophylla	3	0.4			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4			
Eriachne mucronata	0.1	0.3			
Eucalyptus leucophloia subsp. *leucophloia*	2	4			
Fimbristylis dichotoma	0.1	0.1			
Grevillea wickhamii	0.1	1.4			
Indigofera monophylla	0.1	0.2			
Senna ?glaucifolia	0.1	1.3			
Senna glutinosa subsp. *glutinosa*	0.1	0.9			
Senna glutinosa subsp. *pruinosa*	0.1	1			
Senna glutinosa subsp. x *luerssenii*	0.1	1			
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2			
Solanum lasiophyllum	0.1	0.2			
Triodia vanleeuwenii	34	0.2			
Triodia wiseana	0.1	0.2			

Jinidi F&V **Site JIN-023**



Date	15/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	728700 mE; 7463881 mN
	119.2298 E -22.917486 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Gorge
Vegetation	*Themeda triandra*, *Eriachne mucronata*, *Cymbopogon ambiguus* low open tussock grassland with *Corymbia ferriticola*, *Eucalyptus leucophloia* subsp. *leucophloia*, *Acacia pteraneura* low isolated trees over *Grevillea wickhamii*, *Dodonaea pachyneura* tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	0.4			JIN037.11
Acacia aptaneura	1	7			JIN023.03
Acacia hamersleyensis	0.1	6			
Acacia monticola	0.1	2			
Achyranthes aspera	0.1	0.3			
Alternanthera denticulata var. *denticulata*	0.1	0.2			JIN030.02
Aristida burbidgeae	0.1	0.5			
Astrotricha hamptonii	0.1	2.5			
Atalaya hemiglauca	0.1	0.5			
Capparis spinosa subsp. *nummularia*	0.1	0.1			
Clerodendrum floribundum var. *angustifolium*	0.1	0.2			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.8			
Corymbia ferriticola	0.5	5			
Cucumis variabilis	0.1	0.1			
Cymbopogon ambiguus	2	0.5			
Dodonaea pachyneura	0.5	1.8			
Dolichocarpa crouchiana	0.1	0.3			
Duperreya commixta	0.1	0.1			
Enneapogon caerulescens	0.1	0.3			
Enneapogon polyphyllus	0.1	0.4			
Eremophila jucunda subsp. *pulcherrima*	0.1	0.7			JIN023.01
Eriachne mucronata	3	0.3			
Eucalyptus leucophloia subsp. *leucophloia*	0.1	6			
Eulalia aurea	0.1	0.6			
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1			
Ficus brachypoda	0.1	6			
Gomphrena cunninghamii	0.1	0.1			
Gossypium robinsonii	0.1	3.5			
Grevillea wickhamii	0.5	3.5			
Hibiscus coatesii	0.1	0.4			
Jasminum didymum subsp. *lineare*	0.1	0.4			
Paraneurachne muelleri	0.1	0.6			
Polycarpaea longiflora	0.1	0.2			
Pterocaulon serrulatum var. *velutinum*	0.1	0.8			JIN023.02

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Ptilotus obovatus var. *obovatus*	0.1	0.6			
Rhynchosia minima	0.1	0.1			
Santalum lanceolatum	0.1	2.3			
Senna glutinosa subsp. *glutinosa*	0.1	1.3			
Sida sp. Articulation below (A.A. Mitchell PRP	0.1	1.2			JIN023.05
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.1			
Themeda triandra	5	0.5			
Triumfetta leptacantha	0.1	0.1			JIN023.06
Vincetoxicum flexuosum	0.1	0.1			JIN023.04

Jinidi F&V **Site JIN-025**

Date 13/09/2023 & 24/03/2024

Described by Carmel Winton, April Slater & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

728559 mE; 7465038 mN

119.2283 E -22.907056 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type Dolerite (basalt and ironstone)

Fire Age Moderate (3 to 5 yr)

Habitat Footslope

Vegetation *Triodia wiseana*, *Triodia vanleeuwenii* low hummock grassland with *Acacia spondylophylla* low sparse shrubland with *Acacia inaequilatera* mid to tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia inaequilatera	1.5	2.6	0.1	2.6	
Acacia spondylophylla	5	0.3	5	0.3	
Arivela viscosa			0.1	0.2	
Bonamia pilbarensis	0.1	0.1	0.1	0.1	JIN025.01
Corchorus sp. Indet			0.1	0.01	
Eriachne pulchella			0.1	0.1	
Fimbristylis simulans			0.1	0.2	
Goodenia triodiophila			0.1	0.3	
Indigofera rugosa			0.1	0.01	
Portulaca oleracea			0.1	0.1	
Ptilotus astrolasius	0.1	0.4	0.1	0.3	
Ptilotus calostachyus	0.1	0.6			
Ptilotus exaltatus			0.1	0.1	
Ptilotus sp. Indet	0.1	0.2			
Senna glutinosa subsp. *glutinosa*	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. *pruinosa*	0.1	1.1	0.1	1.1	
Tribulus hirsutus			0.1	0.2	
Triodia vanleeuwenii	20	0.3	10	0.2	
Triodia wiseana	28	0.3	20	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-026**



Date	23/03/2024
Described by	Vanessa Yeomans, Eva Karikis
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	728741 mE; 7457681 mN
	119.2311 E -22.973448 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	None Discernible
Fire Age	Old (6+ yr)
Habitat	Minor Drainage Line
Vegetation	*Acacia tumida* var. *pilbarensis*, *Santalum lanceolatum* mid closed shrubland over *Indigofera monophylla*, *Bonamia erecta* low sparse shrubland over *Triodia pungens* low sparse hummock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet			0.1	0.3	JIN026.03w
Acacia ancistrocarpa			0.1	1.5	
Acacia tenuissima			0.1	0.6	
Acacia tumida var. *pilbarensis*			75	1.8	
Afrohybanthus aurantiacus			0.1	0.4	
Aristida contorta			0.1	0.2	JIN026.07w
Aristida holathera var. *holathera*			0.1	0.2	
Bonamia erecta			0.1	0.3	
Duperreya commixta			0.1	0.1	
Eucalyptus gamophylla			0.1	3	
Evolvulus alsinoides			0.1	0.1	
Gossypium robinsonii			0.1	0.1	
Hibiscus ?coatesii			0.1	0.5	JIN026.01W
Hibiscus burtonii			0.1	0.2	
Indigofera monophylla			5	0.1	
Jasminum didymum subsp. *lineare*			0.1	0.1	
Paraneurachne muelleri			0.1	0.1	
Paspalidium clementii			0.1	0.1	JIN026.08w
Petalostylis labicheoides			0.1	1.2	
Ptilotus astrolasius			0.1	0.1	
Rhynchosia minima			0.1	0.1	
Santalum lanceolatum			0.5	1.8	
Scaevola parvifolia subsp. *pilbarae*			0.1	0.2	JIN026.06W
Senna artemisioides subsp. *oligophylla*			0.1	1	
Senna notabilis			0.1	0.2	
Seringia nephrosperma			0.1	0.7	JIN126.02W
Themeda triandra			0.5	0.2	
Triodia pungens			2	0.4	JIN026.03w

Jinidi F&V **Site JIN-029**

Date 13/09/2023 & 24/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

728469 mE; 7465294 mN

119.2274 E -22.904766 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF (ironstone and basalt)

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Hakea lorea* subsp. *lorea* low isolated clumps of trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	0.6	0.1	0.6	JIN029.07
Acacia hilliana	3	0.5	3	0.6	JIN029.08
Acacia spondylophylla	2	0.3	2	0.5	
Acacia tenuissima	0.1	1.2	0.1	1.3	
Amphipogon sericeus	0.1	0.3	0.1	0.3	JIN029.06
Bonamia pilbarensis	0.1	0.1	0.1	0.1	JIN029.02
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	
Eriachne lanata	0.1	0.1	0.1	0.1	JIN029.05
Eriachne mucronata	0.1	0.1	0.1	0.2	
Fimbristylis simulans			0.1	0.1	
Gompholobium oreophilum	0.5	0.5	0.1	0.5	JIN029.04
Goodenia stobbsiana			0.1	0.2	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.5	2.5	0.5	3	
Hakea lorea subsp. lorea	0.5	4.5	0.5	3.5	
Ptilotus calostachyus	0.1	0.3	0.1	0.1	
Scaevola browniana subsp. *browniana*	0.1	0.3	0.1	0.3	JIN029.03
Senna ferraria	0.1	2.3	0.1	2.5	JIN029.09
Senna glutinosa subsp. *glutinosa*			0.1	0.6	
Senna glutinosa subsp. *pruinosa*	0.1	0.4			
Senna glutinosa subsp. x *luerssenii*			0.1	0.5	
Sida arenicola			0.1	0.3	
Triodia vanleeuwenii	15	0.1	15	0.3	JIN029.07



Phase 1



Phase 2

Jinidi F&V **Site JIN-030**

Date 14/09/2023 & 24/03/2024

Described by Kelby Jennings, Ryan Woodhouse & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

729393 mE; 7465364 mN

119.2364 E -22.904003 S

Veg Condition Excellent

Soil Clayey Sand

Rock Type None Discernible (riverstone)

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Corchorus crozophorifolius* mid open shrubland over *Eriachne tenuiculmis* low open tussock grassland with *Eucalyptus victrix* mid to low isolated trees over *Gossypium robinsonii*, *Acacia bivenosa* mid to tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	1.5	0.1	1.5	JIN030.03
Acacia bivenosa	0.1	1			
Acacia citrinoviridis	0.1	1.8	0.1	1.8	
Acacia maitlandii	0.1	1.6	0.1	1.6	
Acacia monticola			0.1	1	
Acacia pyrifolia var. *pyrifolia*	0.1	0.8	0.1	0.8	
Acacia tumida var. *pilbarensis*	0.1	1.7	0.1	1.7	JIN032.02
Afrohybanthus aurantiacus	0.1	0.6	0.1	0.5	
Alternanthera denticulata var. *denticulata*	0.1	0.2			JIN030.02
Alternanthera nana			0.1	0.2	JIN030.06w
Amaranthus undulatus			0.1	0.1	
Androcalva luteiflora	0.1	1	0.1	1	
Aristida contorta	0.1	0.3			
Aristida holathera var. *holathera*			0.1	0.2	
Arivela viscosa	0.1	0.4	0.1	0.3	
Boerhavia coccinea			0.1	0.1	
Chrysopogon fallax			0.1	0.3	
Corchorus crozophorifolius	8	1	8	1	
Corchorus incanus subsp. *lithophilus*	0.1	0.3	0.1	0.4	JIN030.01
Corchorus tridens			0.1	0.1	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya	0.1	0.1			
Enneapogon lindleyanus	0.5	0.4	0.1	0.3	
Eremophila longifolia	0.1	1	0.1	1	
Eriachne pulchella subsp. *dominii*	0.1	0.1	0.1	0.1	
Eriachne tenuiculmis	20	0.2	20	0.3	JIN030.07w
Eucalyptus victrix	2	13	3	13	
Euphorbia biconvexa	0.1	0.1	0.1	0.2	
Euploca tenuifolia			0.1	0.3	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Gomphrena cunninghamii	0.1	0.1	0.1	0.1	
Goodenia lamprosperma	0.1	0.3			
Gossypium australe	0.1	1	0.1	1.3	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Gossypium robinsonii	0.1	2.3	0.1	2.3	
Hibiscus sturtii var. *platychlamys*	0.1	1			JIN030.04
Indigofera monophylla	0.1	0.4	0.1	0.4	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Nellica maderaspatensis			0.1	0.2	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.2	
Paraneurachne muelleri			0.1	0.2	
Paspalidium basicladum			0.1	0.2	
Pluchea dentex	0.1	0.2			
Polycarpaea longiflora	0.1	0.1			
Portulaca oleracea			0.1	0.1	
Ptilotus exaltatus	0.1	0.2	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.7	0.1	0.7	
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	0.5	0.1	0.5	
Senna artemisioides subsp. *oligophylla*	0.1	1	0.1	0.4	
Senna glutinosa subsp. *glutinosa*	0.1	0.7	0.1	0.9	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.2	0.4	0.1	0.3	
Themeda triandra	5	1	0.5	0.3	
Tribulus hirsutus			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia wiseana	0.1	0.5	0.1	0.5	JIN030.03



Phase 1



Phase 2

Jinidi F&V **Site JIN-031**

Date 14/09/2023 & 24/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

729280 mE; 7465214 mN

119.2353 E -22.905370 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type Dolerite

Fire Age Old (6+ yr)

Habitat Basalt Outcrops

Vegetation *Triodia wiseana*, *Triodia pungens* low hummock grassland with *Acacia spondylophylla* low sparse shrubland with *Aristida holathera* var. *holathera* low isolated tussock grasses with *Senna glutinosa* subsp. *glutinosa*, *Senna glutinosa* subsp. *pruinosa*, *Gossypium robinsonii* low isolated shrubs with *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.4	
Acacia maitlandii	0.1	0.3	0.1	0.6	
Acacia monticola	0.5	0.8	0.1	1.2	
Acacia spondylophylla	2	0.6	2	1	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.2	
Aristida contorta	0.1	0.1	0.1	0.1	
Aristida holathera var. *holathera*	0.1	0.2	0.5	0.3	
Arivela viscosa			0.1	0.6	
Bonamia pilbarensis			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Corchorus sp. Indet			0.1	0.4	JIN031.05w
Corymbia hamersleyana	0.5	3	0.5	3	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	JIN037.18w
Crotalaria novae-hollandiae subsp. *novae-hollandiae*			0.1	0.2	JIN031.04w
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Dolichocarpa crouchiana			0.1	0.2	
Duperreya commixta	0.1	0.1			
Enneapogon lindleyanus			0.1	0.3	
Enneapogon polyphyllus			0.1	0.2	
Eremophila latrobei subsp. *latrobei*	0.1	0.7	0.1	0.6	
Eriachne benthamii			0.1	0.3	
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Euphorbia australis var. *subtomentosa*			0.1	0.1	
Euphorbia boophthona			0.1	0.3	JIN031.03w
Euphorbia trigonosperma			0.1	0.3	
Euploca inexplicita			0.1	0.1	JIN031.06w
Euploca tenuifolia			0.1	0.1	JIN037.15w
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Fimbristylis simulans			0.1	0.1	
Goodenia microptera			0.1	0.1	
Gossypium australe	0.1	0.6	0.1	0.4	
Gossypium robinsonii	0.1	1	0.1	1.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Grevillea wickhamii	0.1	0.6			
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium clementii			0.1	0.2	JIN255.04w
Polycarpaea longiflora			0.1	0.1	
Polymeria ambigua			0.1	0.1	
Ptilotus astrolasius	0.1	0.2			
Ptilotus exaltatus			0.1	0.1	
Ptilotus fusiformis			0.1	0.2	JIN116.13w
Rhynchosia minima			0.1	0.1	
Santalum lanceolatum	0.1	1.5			
Senna artemisioides subsp. *helmsii*			0.1	0.5	
Senna artemisioides subsp. *oligophylla*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *glutinosa*	0.1	0.9	0.1	1.8	
Senna glutinosa subsp. *pruinosa*	0.1	0.6	0.1	0.6	
Senna notabilis			0.1	0.1	
Sida ?echinocarpa	0.1	0.4			
Solanum cleistogamum	0.1	0.1	0.1	0.3	
Tephrosia densa			0.1	0.3	JIN031.02w
Themeda triandra	0.1	0.6	0.1	0.5	
Tinospora smilacina			0.1	0.1	
Tribulus hirsutus			0.1	0.2	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.2	
Triodia pungens	12	0.3	12	0.3	
Triodia wiseana	20	0.3	20	0.3	
Tripogonella loliiformis	0.1	0.1			



Phase 1



Phase 2

Jinidi F&V **Site JIN-032**

Date 13/09/2023 & 26/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

730023 mE; 7465342 mN

119.2425 E -22.904120 S

Veg Condition Excellent

Soil Sandy Loam

Rock Type Detritals

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Eucalyptus victrix*, *Eucalyptus camaldulensis* subsp. *refulgens* mid open woodland over *Eriachne benthamii*, *Eulalia aurea*, *Themeda triandra* low open tussock grassland with *Acacia tumida* var. *pilbarensis*, *Acacia pyrifolia* var. *pyrifolia* tall open shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height (m)	
Abutilon lepidum	0.1	0.2	0.1	0.2	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	1	0.1	0.3	JIN037.11
Acacia bivenosa	0.5	1.8	0.5	2.3	
Acacia monticola	0.1	1	0.1	1.8	
Acacia pyrifolia var. *pyrifolia*	0.1	2.5	0.5	3	
Acacia spondylophylla	0.1	0.5	0.1	0.5	
Acacia synchronicia	0.1	1			
Acacia tumida var. *pilbarensis*	15	4	20	5	JIN032.02
Afrohybanthus aurantiacus			0.1	0.4	
Alternanthera nana			0.1	0.4	
Amaranthus cuspidifolius			0.1	0.3	
Androcalva luteiflora	0.1	1.5	0.1	1.5	
Aristida holathera var. *holathera*			0.1	0.4	
Arivela viscosa			0.1	0.2	
Atalaya hemiglauca	0.1	1.8	0.1	1.8	JIN037.06
**Bidens bipinnata*			0.1	0.3	
Boerhavia coccinea			0.1	0.2	
Bulbostylis barbata			0.1	0.1	
**Cenchrus ciliaris*	0.1	0.2	0.1	0.4	
Chrysopogon fallax			0.1	0.9	
Corchorus crozophorifolius	0.1	0.4	0.2	1.2	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.5	JIN037.10
Corchorus tridens			0.1	0.2	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	1	0.4	1	0.7	
Cyperus vaginatus	0.1	1	0.1	0.8	
Dicladanthera forrestii	0.1	0.4	0.1	0.4	
Enneapogon caerulescens			0.1	0.2	
Enneapogon lindleyanus	0.1	0.4	0.1	0.3	JIN037.05
Enneapogon polyphyllus			0.1	0.2	
Eriachne benthamii	2	0.4	10	0.4	JIN037.13
Eriachne mucronata	0.1	0.3	2	0.4	
Eucalyptus camaldulensis subsp. *refulgens*	1	17	1	17	
Eucalyptus victrix	5	15	5	15	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height (m)	
Eulalia aurea	20	0.6	20	0.7	
Euphorbia trigonosperma			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Gomphrena cunninghamii			0.1	0.2	
Gossypium australe	0.1	0.6	0.1	0.6	
Gossypium robinsonii	0.1	3	0.2	3.5	
Hibiscus coatesii	0.1	0.4	0.1	0.2	JIN037.09
Hibiscus sturtii var. *campylochlamys*			0.1	0.3	
Indigofera monophylla	0.1	0.9	0.1	0.6	JIN037.01
Ipomoea muelleri	0.1	0.1	0.1	0.1	
Nellica maderaspatensis	0.1	0.4	0.1	0.4	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig			0.1	0.2	
Paraneurachne muelleri	0.1	0.4	0.1	0.4	
Paspalidium clementii			0.1	0.3	JIN255.04w
Perotis rara			0.1	0.1	
Pluchea dentex	3	0.4	5	0.5	
Polycarpaea longiflora	0.1	0.3			
Polymeria ambigua			0.1	0.1	
Portulaca oleracea			0.1	0.1	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus auriculifolius			0.1	0.1	
Ptilotus exaltatus			0.1	0.1	
Ptilotus fusiformis			0.1	0.2	JIN116.13w
Ptilotus obovatus var. *obovatus*	0.1	1			
Rhynchosia minima	0.1	0.1	0.1	0.1	
Santalum lanceolatum			0.1	2	
Senna artemisioides subsp. *oligophylla*	0.1	1.2	0.1	1.5	
Senna glutinosa subsp. *glutinosa*	0.1	0.7	0.1	1.6	
Senna glutinosa subsp. x *luerssenii*			0.1	1.5	
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	1			JIN032.01
Sida sp. L (A.M. Ashby 4202)	0.1	0.2	0.1	0.3	JIN037.04
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)			0.1	0.4	
Solanum lasiophyllum	0.1	0.6	0.1	0.6	
Stemodia grossa	0.1	0.4	0.1	0.5	
Stylobasium spathulatum	0.1	0.7	0.1	2	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker	0.1	0.4	0.1	0.6	
Themeda triandra	4	0.4	4	0.4	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.3	
Triodia pungens	1	0.4	1	0.4	
Waltheria indica	0.1	0.4	0.1	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-036**

Date 14/09/2023 & 28/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

727586 mE; 7464341 mN

119.2189 E -22.913483 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low open hummock grassland with *Acacia inaequilatera* tall isolated shrubs over *Acacia hilliana*, *Acacia spondylophylla* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia hilliana	1	0.4	1	0.5	JIN029.08
Acacia inaequilatera	0.1	4.5	0.1	4.5	
Acacia spondylophylla	1	0.6	1.5	0.6	
Amphipogon sericeus			0.1	0.3	
Arivela viscosa			0.1	0.1	
Bonamia pilbarensis	0.1	0.1	0.1	0.1	JIN036.01
Corchorus lasiocarpus subsp. *parvus*			0.1	0.3	
Dolichocarpa crouchiana			0.1	0.1	
Dysphania sp. Indet	0.1	0.1			
Eriachne lanata	0.1	0.2	0.1	0.2	JIN029.05
Eriachne mucronata	0.5	0.2	0.5	0.2	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Fimbristylis simulans			0.1	0.1	
Goodenia microptera			0.1	0.1	
Grevillea wickhamii	0.1	1.6	0.1	1.7	
Paspalidium clementii			0.1	0.1	JIN255.04w
Ptilotus calostachyus	0.1	0.8	0.1	0.3	
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*			0.1	1.5	
Senna glutinosa subsp. *pruinosa*			0.1	0.5	
Senna glutinosa subsp. x *luerssenii*	0.1	1.5	0.1	1.5	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2	0.1	0.2	
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)			0.1	0.1	
Tribulus hirsutus			0.1	0.1	
Triodia vanleeuwenii	15	0.3	15	0.4	
Triodia wiseana	10	0.5	13	0.6	JIN029.08



Phase 1



Phase 2

Jinidi F&V **Site JIN-037**

Date 13/09/2023 & 24/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

730887 mE; 7465045 mN

119.2510 E -22.906680 S

Veg Condition Excellent

Soil Clayey Sand

Rock Type Detritals (riverstone and ironstone)

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Triodia pungens* low open hummock grassland with *Acacia pyrifolia* var. *pyrifolia* low open shrubland over *Indigofera monophylla* low open shrubland over *Arivela viscosa* low open herbland with *Eriachne mucronata, Eriachne benthamii, Aristida contorta, Aristida holathera* var. *holathera* low sparse tussock grasses with *Corymbia hamersleyana* low isolated clumps of trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	0.6	0.1	0.2	JIN037.11
Acacia pyrifolia var. *pyrifolia*	5	2.5	5	3	
Acacia tumida var. *pilbarensis*	0.1	1.9	0.1	2.2	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.5	
Aristida contorta	0.1	0.1	0.1	0.2	
Aristida holathera var. *holathera*	0.1	0.2	0.1	0.3	
Arivela viscosa			5	1	
Atalaya hemiglauca	0.1	0.7	0.1	1.5	JIN037.06
Boerhavia coccinea			0.1	0.2	
Bulbostylis barbata	0.1	0.1	0.1	0.2	
Chrysopogon fallax			0.1	0.8	
Corchorus crozophorifolius	0.1	0.8	0.1	1	
Corchorus lasiocarpus subsp. *parvus*	0.1	1	0.1	0.4	JIN037.10
Corchorus tridens			0.1	0.4	
Corymbia hamersleyana	0.3	2	0.5	4	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	JIN037.18w
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Dicladanthera forrestii			0.1	0.2	
Enneapogon caerulescens			0.1	0.2	
Enneapogon lindleyanus	0.1	0.2	0.1	0.3	JIN037.05
Enneapogon polyphyllus			0.1	0.2	
Eriachne benthamii	0.1	0.3	3	0.3	JIN037.13
Eriachne mucronata	0.1	0.4	2	0.4	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus gamophylla	0.1	2.4	0.1	2.4	
Euphorbia australis var. *subtomentosa*			0.1	0.1	
Euphorbia trigonosperma			0.1	0.4	
Euploca tenuifolia			0.1	0.3	JIN037.15w
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Gomphrena cunninghamii			0.1	0.2	
Goodenia microptera			0.1	0.2	
Gossypium robinsonii	0.1	0.8	0.1	2	
Grevillea wickhamii	0.1	2	0.1	2.2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Hibiscus coatesii	0.1	1	0.1	0.1	JIN037.09
Hibiscus sturtii var. *platychlamys*	0.1	0.5	0.1	0.5	JIN037.08
Indigofera monophylla	0.5	0.5	4	0.5	JIN037.01
Melhania oblongifolia	0.1	0.5	0.1	0.2	JIN037.12
Nellica maderaspatensis			0.1	0.4	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.4	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium clementii			0.1	0.2	JIN255.04w
Perotis rara			0.1	0.1	
Polymeria ambigua			0.1	0.2	
Portulaca oleracea			0.1	0.1	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus calostachyus	0.1	0.3	0.1	0.2	
Ptilotus exaltatus	0.1	0.4	0.1	0.3	
Ptilotus fusiformis			0.1	0.2	JIN116.13w
Ptilotus obovatus var. *obovatus*	0.2	0.5	0.2	0.5	JIN037.03
Senna artemisioides subsp. *oligophylla*	0.5	1	0.5	1.2	
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1.4	
Senna glutinosa subsp. x *luerssenii*	0.1	1.9	0.1	2	
Senna notabilis			0.1	0.1	
Sida sp. Indet			0.1	0.5	JIN037.16w
Sida sp. L (A.M. Ashby 4202)	0.1	0.2	0.1	0.2	JIN037.04
Solanum lasiophyllum	0.1	0.4	0.1	0.4	
Sporobolus australasicus			0.1	0.1	JIN128.02w
Themeda triandra	0.5	0.5	0.1	0.3	
Tribulopis angustifolia			0.1	0.2	JIN037.17w
Tribulus hirsutus			0.1	0.2	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	7	0.5	12	0.6	
Triodia wiseana	0.1	0.5	0.1	0.5	JIN037.11


Phase 1


Phase 2

Jinidi F&V **Site JIN-039**

Date 13/09/2023 & 24/03/2024

Described by Carmel Winton, April Slater & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

731190 mE; 7465338 mN

119.2539 E -22.903991 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type Dolerite

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana* low hummock grassland with *Acacia inaequilatera* tall sparse shrubland over *Senna glutinosa* subsp. x *luerssenii* mid isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ?pruinocarpa			0.1	0.1	
Acacia adoxa var. *adoxa*	1	0.3	0.5	0.3	
Acacia bivenosa	0.1	0.4	0.1	0.4	
Acacia dictyophleba	0.5	1.2	0.1	1	
Acacia inaequilatera	2	3.5	1	3.5	
Amphipogon sericeus	0.1	0.2			
Aristida holathera var. *holathera*			0.1	0.2	
Arivela viscosa			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.1	
Corchorus tridens			0.1	0.1	
Dampiera candicans	0.1	0.5			
Dolichocarpa crouchiana			0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eremophila latrobei subsp. *latrobei*	0.1	1.1	0.1	0.4	
Eriachne mucronata	0.1	0.1	0.1	0.2	
Eriachne pulchella			0.1	0.1	
Euphorbia australis var. *subtomentosa*			0.1	0.2	JIN039.04w
Euphorbia boophthona			0.1	0.2	
Euploca inexplicita			0.1	0.1	
Fimbristylis simulans	0.1	0.1	0.1	0.1	JIN039.02
Goodenia ?microptera			0.1	0.1	
Goodenia muelleriana			0.1	0.2	JIN039.01w
Goodenia triodiophila			0.1	0.2	
Grevillea wickhamii	0.1	0.5	0.1	0.5	
Hakea chordophylla	0.1	1.8	0.1	1.8	
Hibiscus ?coatesii			0.1	0.1	
Indigofera monophylla			0.1	0.3	
Panicum australiense var. *australiense*			0.1	0.1	JIN039.03w
Paraneurachne muelleri	0.1	0.3	0.1	0.2	
Polycarpaea sp.	0.1	0.1			
Portulaca oleracea			0.1	0.1	
Ptilotus ?fusiformis			0.1	0.1	
Ptilotus astrolasius	0.1	0.4	0.1	0.3	
Ptilotus calostachyus	0.1	0.4			
Ptilotus exaltatus	0.1	0.3	0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna artemisioides subsp. *oligophylla*	0.1	1.2	0.1	0.6	
Senna glutinosa subsp. *glutinosa*	0.1	1.7	0.1	1.8	
Senna glutinosa subsp. x *luerssenii*	0.1	1.3	0.1	1.2	
Senna notabilis			0.1	0.1	
Sida sp. Indet	0.1	0.2			
Solanum lasiophyllum	0.1	0.6	0.1	0.4	JIN039.05w
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)			0.1	0.1	JIN039.02
Themeda triandra	1	0.4	0.1	0.3	
Tribulus hirsutus			0.1	0.1	
Tribulus suberosus			0.1	0.2	
Trigastrotheca molluginea			0.1	0.2	
Triodia wiseana	38	0.3	35	0.3	JIN039.01



Phase 1



Phase 2

Jinidi F&V **Site JIN-040**

Date 14/09/2023 & 25/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

731020 mE; 7464527 mN

119.2523 E -22.911332 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia aptaneura*, *Grevillea berryana* low woodland over *Eremophila platycalyx*, *Senna artemisioides* subsp. x *artemisioides* tall isolated shrubs over *Paspalidium clementii* low sparse tussock grassland with *Cheilanthes sieberi* subsp. *sieberi* low sparse fernland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	3	7	3	7	
Acacia ayersiana hybrid	2	7	2	7	
Acacia catenulata subsp. *occidentalis*	18	7	18	7	
Afrohybanthus aurantiacus			0.1	0.2	JIN040.12w
Arivela viscosa			0.1	0.2	
**Bidens bipinnata*			0.1	0.4	
Boerhavia coccinea			0.1	0.2	
Bulbostylis barbata			0.1	0.2	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.3	0.4	
Crotalaria novae-hollandiae subsp. *novae-hollandiae*			0.1	0.2	
Cucumis variabilis			0.1	0.1	
Dolichocarpa crouchiana			0.1	0.1	
Dysphania sp. Indet			0.1	0.1	JIN040.10w
Enneapogon polyphyllus			0.1	0.2	
Eremophila platycalyx subsp. *pardalota*	1	1.8	1	3	JIN040.01
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eriachne pulchella subsp. *dominii*			0.1	0.1	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*			0.1	2.5	
Euphorbia trigonosperma			0.1	0.3	
Euploca tenuifolia			0.1	0.3	JIN037.15w
Evolvulus alsinoides var. *decumbens*			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Gomphrena cunninghamii			0.1	0.1	
Gossypium australe			0.1	0.8	
Grevillea berryana	1	6	1	6	
Hibiscus burtonii	0.1	0.2	0.1	0.1	
Hibiscus coatesii			0.1	0.1	
Indigofera monophylla			0.1	0.1	
Nellica maderaspatensis			0.1	0.2	JIN040.11w
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.4	
Paspalidium clementii			5	0.3	JIN040.03w
Pluchea sp. Indet			0.1	0.2	JIN040.04w
Pluchea sp. Indet			0.1	0.2	JIN040.06w

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Polygala glaucifolia			0.1	0.1	JIN040.08w
Portulaca oleracea			0.1	0.1	
Psydrax latifolia	0.1	1.1	0.1	1.2	
Psydrax suaveolens	0.1	2	0.1	2.2	
Ptilotus calostachyus			0.1	0.1	
Ptilotus exaltatus			0.1	0.1	
Ptilotus fusiformis			0.1	0.2	JIN116.13w
Ptilotus helipteroides			0.1	0.2	JIN040.05w
Ptilotus polystachyus			0.1	0.1	JIN040.07w
Senna artemisioides subsp. x *artemisioides*	0.5	1.8	0.5	2.2	
Senna glutinosa subsp. x *luerssenii*	0.1	1.8	0.1	1.8	
Sida sp. L (A.M. Ashby 4202)			0.1	0.4	JIN040.09w
Solanum phlomoides			0.1	0.1	
Streptoglossa sp. indet			0.1	0.1	JIN040.02w
Tribulus hirsutus			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.3	
Triodia pungens			0.1	0.2	


Phase 1


Phase 2

Jinidi F&V **Site JIN-041**



Date 23/03/2024
Described by Sam Coultas
Type Quadrat 100m x 25m
Location MGA Zone 50
723382 mE; 7451758 mN
119.1798 E -23.027640 S
Veg Condition Degraded
Soil Sandy Clay Loam
Rock Type BIF
Fire Age Old (6+ yr)
Habitat Major Drainage Line
Vegetation *Eucalyptus camaldulensis* subsp. *refulgens* mid open woodland over **Cenchrus ciliaris*, *Themeda triandra, Eulalia aurea* low tussock grassland with *Acacia citrinoviridis*, *Acacia coriacea* subsp. *pendens*, *Atalaya hemiglauca* low open woodland over *Dodonaea viscosa* mid sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.4	JIN041.02w
Acacia bivenosa			0.1	0.7	
Acacia citrinoviridis			8	11	
Acacia coriacea subsp. *pendens*			1	7	
Alternanthera nodiflora			0.1	0.3	
Androcalva luteiflora			0.1	1.2	
Atalaya hemiglauca			1	6.5	
**Bidens bipinnata*			0.1	0.2	
Capparis lasiantha			0.1	0.1	
Cathetus virgatus			0.1	0.1	JIN041.08w
**Cenchrus ciliaris*			45	0.6	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.2	JIN133.08w
Clerodendrum floribundum var. *angustifolium*			0.1	1.1	
Cyperus vaginatus			0.5	0.6	
Dendrophyllanthus erwinii			0.1	0.2	
Dicladanthera forrestii			0.1	0.2	
Dodonaea lanceolata var. *lanceolata*			0.1	1.6	
Dodonaea viscosa subsp. *mucronata*			1	1.2	
Duperreya commixta			0.1	0.1	
Enteropogon ramosus			0.1	0.7	JIN041.04w
Eragrostis elongata			0.1	0.5	
Eucalyptus camaldulensis subsp. *refulgens*			40	16	
Eulalia aurea			0.5	0.7	
Euphorbia sp. indet (bi/tri)			0.1	0.2	
Gossypium robinsonii			0.1	1.8	
Gossypium sturtianum var. *sturtianum*			0.1	0.4	
Ipomoea plebeia			0.1	0.1	JIN041.03w
Jasminum didymum subsp. *lineare*			0.1	0.1	
**Malvastrum americanum*			0.1	0.4	
Marsilea ?hirsuta			0.1	0.1	JIN041.06w
Nellica maderaspatensis			0.1	0.2	
Paspalidium clementii			0.1	0.3	JIN127.07w
Petalostylis labicheoides			0.1	0.7	
Pluchea rubelliflora			0.1	0.2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Rhynchosia minima			0.1	0.1	
Rostellularia adscendens var. *clementii*			0.1	0.2	JIN041.07w
Scaevola spinescens			0.1	0.7	
Senna artemisioides subsp. *filifolia*			0.1	0.5	
Senna artemisioides subsp. *oligophylla*			0.1	1.2	
Stemodia grossa			0.1	0.2	
Stylobasium spathulatum			0.1	1.5	
Themeda triandra			1	0.5	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.5	
Vigna lanceolata var. *lanceolata*			0.1	0.2	JIN041.02w

Jinidi F&V **Site JIN-044**



Date	17/09/2023
Described by	Emma Marsh, Emalyn Loudon
Type	Quadrat 50m x 50m
Location	MGA Zone 50 728984 mE; 7461203 mN 119.2330 E -22.941621 S
Veg Condition	Very Good
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Undulating Low Hills
Vegetation	*Triodia vanleeuwenii* low sparse hummock grassland with *Acacia inaequilatera* tall isolated shrubs over *Acacia tenuissima*, *Acacia ancistrocarpa* mid isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	0.4			JIN075.06
Acacia ancistrocarpa	0.5	1.2			
Acacia cowleana	0.1	1.4			JIN044.01
Acacia inaequilatera	2.5	4			
Acacia pruinocarpa	0.1	1.5			
Acacia tenuissima	0.5	1.2			
Afrohybanthus aurantiacus	0.1	0.3			
Amphipogon sericeus	0.1	0.3			
Aristida holathera var. *holathera*	0.1	0.6			JIN083.01
Bonamia erecta	0.1	0.3			
Cymbopogon ambiguus	0.1	1.2			
Digitaria brownii	0.1	0.4			
Duperreya commixta	0.1	0.1			
Eragrostis eriopoda	0.1	0.3			
Eucalyptus gamophylla	0.1	1.8			
Euploca sp. *Indet*	0.1	0.1			
Goodenia triodiophila	0.1	0.1			
Grevillea wickhamii	0.1	0.3			
Indigofera monophylla	0.1	0.3			
Paraneurachne muelleri	0.1	0.3			
Ptilotus calostachyus	0.1	0.3			
Scaevola parvifolia subsp. *pilbarae*	0.1	0.2			
Senna artemisioides subsp. *helmsii*	0.1	0.2			
Senna artemisioides subsp. *oligophylla*	0.1	0.3			
Senna glaucifolia	0.1	0.6			
Sida arenicola	0.1	1.2			
Triodia pungens	0.1	0.2			
Triodia vanleeuwenii	6.5	0.2			JIN075.06

Jinidi F&V **Site JIN-045**



Date	16/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	732148 mE; 7460513 mN
	119.2639 E -22.947413 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia vanleeuwenii* low sparse hummock grassland with *Acacia bivenosa*, *Acacia adoxa* var. *adoxa* low sparse shrubland with *Corymbia deserticola* subsp. *deserticola*, *Acacia inaequilatera* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	1	0.4			
Acacia adsurgens	0.1	0.6			JIN045.04
Acacia arida	0.1	0.6			JIN045.02
Acacia bivenosa	0.5	0.7			
Acacia hilliana	0.1	0.3			
Acacia inaequilatera	0.5	3			
Acacia spondylophylla	0.1	0.4			
Acacia tenuissima	0.1	0.5			JIN045.03
Acacia tumida var. *pilbarensis*	0.1	0.6			
Amphipogon sericeus	1	0.4			JIN045.01
Bonamia pilbarensis	0.1	0.1			JIN036.01
Corchorus lasiocarpus subsp. *parvus*	0.1	1.2			
Corymbia deserticola subsp. *deserticola*	0.1	4			
Dampiera candicans	0.1	0.4			
Goodenia stobbsiana	0.1	0.2			
Goodenia triodiophila	0.1	0.4			
Hakea chordophylla	0.5	3.5			
Jasminum didymum subsp. *lineare*	0.1	1			
Ptilotus calostachyus	0.1	0.8			
Ptilotus exaltatus	0.1	0.3			
Ptilotus rotundifolius	0.1	1			
Senna glutinosa subsp. *glutinosa*	0.1	0.7			
Senna glutinosa subsp. x *luerssenii*	0.1	1.1			
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.4			
Triodia vanleeuwenii	25	0.2			

Jinidi F&V **Site JIN-046**



Date	18/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	731582 mE; 7461233 mN
	119.2583 E -22.940991 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Gully
Vegetation	Triodia pungens low open hummock grassland with Corymbia ferriticola low sparse woodland over Grevillea wickhamii, Petalostylis labicheoides, Dodonaea viscosa, Androcalva luteiflora tall to mid open shrubland over Cymbopogon ambiguus, Aristida burbidgeae, Eriachne mucronata low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	1	1.5			
Acacia arida	0.1	0.7			
Acacia bivenosa	0.1	0.8			
Acacia hamersleyensis	0.1	2.5			
Acacia pruinocarpa	0.1	1.4			
Acacia pyrifolia var. *pyrifolia*	0.1	2.8			
Androcalva luteiflora	0.5	3			
Aristida burbidgeae	2	0.3			
Astrotricha hamptonii	0.1	2.5			
Clerodendrum floribundum var. *angustifolium*	0.1	0.6			
Corymbia ferriticola	3	6			
Cymbopogon ambiguus	2	0.5			
Cynanchum floribundum	0.1	0.1			
Dodonaea viscosa subsp. *spatulata*	0.5	2			
Duperreya commixta	0.1	0.1			
Enneapogon caerulescens	0.1	0.4			
Enneapogon polyphyllus	0.1	0.2			
Eremophila jucunda subsp. *pulcherrima*	0.1	0.3			JIN023.01
Eriachne mucronata	3	0.3			
Eucalyptus leucophloia subsp. *leucophloia*	1	4.5			
Euphorbia sp. indet (bi/tri)	0.1	0.1			
Ficus brachypoda	0.1	2.2			
Gossypium robinsonii	0.1	2.2			
Grevillea wickhamii	4	3.2			
Hibbertia glaberrima	0.1	0.2			JIN046.01
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET	0.1	1.2			
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.4			JIN071.01
Jasminum didymum subsp. *lineare*	0.1	0.4			
Peripleura arida	0.1	0.3			JIN210.02
Petalostylis labicheoides	2	3.2			
Prostanthera albiflora	0.1	0.5			
Ptilotus obovatus var. *obovatus*	0.1	0.5			
Rhagodia eremaea	0.1	1.2			
Santalum lanceolatum	0.1	1.8			

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna glutinosa subsp. *glutinosa*	0.1	1.2			
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3			
Solanum cleistogamum	0.1	0.3			
Themeda triandra	0.1	0.4			
Triodia pungens	12	0.4			

Jinidi F&V **Site JIN-048**

Date 14/09/2023 & 25/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

731624 mE; 7464587 mN

119.2582 E -22.910705 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia spondylophylla* low isolated clumps of shrubs over *Eriachne mucronata* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	0.1	0.5	0.1	0.5	
Acacia spondylophylla	0.5	0.5	0.5	0.5	
Cymbopogon ambiguus	0.1	0.2			
Dampiera candicans	0.1	0.4	0.1	0.2	
Duperreva commixta			0.1	0.1	
Eriachne mucronata	5	0.2	0.2	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	2.5	6	3	6	
Gompholobium oreophilum	0.1	0.4	0.1	0.4	JIN029.04
Grevillea wickhamii	0.1	0.4			
Maireana sp. *Indet*	0.1	0.1			JIN048.02
Maireana villosa			0.1	0.1	JIN048.05
Paraneurachne muelleri	0.1	0.4	0.1	0.2	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus calostachyus	0.1	0.5	0.1	0.2	
Ptilotus exaltatus	0.1	0.2			
Ptilotus obovatus var. *obovatus*	0.1	0.3			
Senna glutinosa subsp. *glutinosa*	0.1	1.3	0.1	0.9	
Senna glutinosa subsp. *pruinosa*	0.1	0.6	0.1	0.6	
Senna glutinosa subsp. x *luerssenii*	0.1	0.8	0.1	0.8	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.7	0.1	0.7	
Tephrosia oxalidea			0.1	0.1	
Tribulus hirsutus			0.1	0.1	
Triodia brizoides	0.1	0.3	0.1	0.3	JIN048.04
Triodia pungens	0.1	0.3	0.1	0.2	JIN048.03
Triodia vanleeuwenii	9	0.2	9	0.2	
Triodia wiseana	4	0.3	2	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-049**

Date 14/09/2023 & 25/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

733081 mE; 7465149 mN

119.2723 E -22.905434 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana* low sparse hummock grassland with *Acacia inaequilatera* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia inaequilatera	0.1	5	0.1	4	
Acacia pruinocarpa			0.1	0.3	
Acacia tenuissima	0.1	1			
Amphipogon sericeus	0.1	0.3	0.1	0.2	JIN029.06
Arivela viscosa			0.1	0.1	
Bonamia pilbarensis	0.1	0.1			JIN029.02
Eriachne lanata			0.1	0.1	
Eriachne mucronata	2	0.3			
Eriachne pulchella			0.1	0.1	
Fimbristylis dichotoma			0.1	0.2	
Fimbristylis simulans			0.1	0.2	JIN200.04w
Goodenia triodiophila			0.1	0.2	
Hakea chordophylla	0.1	1	0.1	1	
Paraneurachne muelleri			0.1	0.3	
Ptilotus astrolasius	0.1	0.4	0.1	0.2	
Ptilotus calostachyus	0.1	0.4	0.1	0.3	
Ptilotus exaltatus	0.1	0.2	0.1	0.1	
Senna artemisioides subsp. *helmsii*			0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.4	
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	0.9	
Solanum lasiophyllum	0.1	0.6	0.1	0.4	
Tribulus hirsutus			0.1	0.1	
Triodia wiseana	5	0.4	5	0.4	
Tripogonella loliiformis	0.1	0.1			



Phase 1



Phase 2

Jinidi F&V **Site JIN-050**

Date 14/09/2023 & 25/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

733304 mE; 7465349 mN

119.2745 E -22.903596 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type None Discernible

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Eriachne mucronata*, *Eriachne tenuiculmis* low tussock grassland with *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186), *Gossypium australe* low sparse shrubland over *Arivela viscosa* low sparse herbland with *Acacia pyrifolia* var. *pyrifolia*, *Gossypium robinsonii* tall sparse shrubland with *Eucalyptus victrix*, *Corymbia hamersleyana* low isolated.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	1.8	0.1	0.1	
Acacia pyrifolia var. *pyrifolia*	2	2.8	2	4	
Acacia tumida var. *pilbarensis*	0.1	2	0.1	2.2	
Afrohybanthus aurantiacus			0.1	0.6	
Amaranthus undulatus			0.1	0.3	
Androcalva luteiflora	1	1.2	0.5	2	
Aristida contorta	0.1	0.2	0.1	0.2	
Aristida holathera var. *holathera*			0.1	0.2	
Arivela viscosa	0.1	0.5	3	0.7	
Atalaya hemiglauca	0.1	1.4	0.1	1.6	
Boerhavia coccinea			0.1	0.3	
**Cenchrus ciliaris*			0.1	0.1	
Corchorus crozophorifolius	0.1	0.7	0.1	1.1	
Corchorus tridens			0.1	0.3	
Corymbia hamersleyana	1	7	1	7	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	
Cymbopogon ambiguus	0.5	0.8	0.1	0.8	
Digitaria ctenantha			0.1	0.3	
Duperreya commixta			0.1	0.1	
Enneapogon caerulescens	0.1	0.5	0.1	0.3	
Enneapogon lindleyanus	0.1	0.4	0.1	0.4	
Enneapogon polyphyllus			0.1	0.2	
Eragrostis eriopoda			0.2	0.6	JIN050.02w
Eremophila longifolia	0.1	0.6	0.1	0.6	
Eriachne aristidea			0.1	0.2	
Eriachne mucronata	10	0.4	10	0.5	
Eriachne pulchella subsp. *dominii*			0.1	0.2	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eriachne tenuiculmis	30	0.4	30	0.5	JIN050.03w
Eucalyptus victrix	0.5	7	0.5	7	
Euphorbia trigonosperma			0.1	0.2	
Euploca tenuifolia	0.1	0.1	0.1	0.3	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height	
Gomphrena canescens subsp. *canescens*			0.1	0.2	
Gomphrena cunninghamii			0.1	0.1	
Goodenia microptera			0.1	0.1	
Goodenia muelleriana	0.1	0.2			
Gossypium australe	0.1	0.8	0.5	1.2	
Gossypium robinsonii	0.1	2	0.1	2.5	
Grevillea wickhamii	0.1	1.2			
Hibiscus sturtii var. *campylochlamys*			0.1	0.4	
Indigofera monophylla	0.1	0.5	0.5	0.6	
Jasminum didymum subsp. *lineare*	0.1	0.5	0.1	0.3	
Nellica maderaspatensis	0.1	0.3	0.1	0.4	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.3	
Paraneurachne muelleri	0.1	0.2	0.1	0.4	
Paspalidium clementii			0.1	0.1	JIN040.03w
Paspalidium rarum			0.1	0.1	
Perotis rara			0.1	0.1	
Polymeria ambigua			0.1	0.1	
Portulaca oleracea			0.1	0.1	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus auriculifolius			0.1	0.2	
Ptilotus exaltatus	0.1	0.3	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.6	
Senna artemisioides subsp. *helmsii*			0.1	0.8	
Senna artemisioides subsp. *oligophylla*	0.1	0.6	0.1	0.8	
Senna glutinosa subsp. *glutinosa*			0.1	0.7	
Senna notabilis			0.1	0.1	
Sida arenicola			0.1	0.8	
Solanum lasiophyllum			0.1	0.6	
Tephrosia rosea var. *Fortescue creeks* (M.I.H. Brooker 2186)	4	0.4	4	0.2	
Themeda triandra	1	0.5	0.5	0.4	
Tribulus hirsutus			0.1	0.1	
Trigastrotheca molluginea			0.1	0.1	
Triodia pungens	0.1	0.4	0.1	0.4	
Triodia wiseana	0.1	0.3	0.1	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-051**

Date 14/09/2023 & 25/03/2024

Described by Sam Coultas, Sammy Alatas & Vanessa Yeomans, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

732599 mE; 7463957 mN

119.2678 E -22.916261 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gorge

Vegetation *Eriachne benthamii*, *Eriachne mucronata*, *Themeda triandra* low open tussock grassland with *Eucalyptus camaldulensis* subsp. *refulgens* mid isolated trees over *Corymbia ferriticola*, *Acacia aptaneura* low isolated trees over *Gymnanthera cunninghamii* (P3), *Dodonaea pachyneura*, *Eremophila naaykensii* (P3) mid to tall open shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.2	
Acacia aptaneura	1	5	1	5	
Acacia eriopoda			0.1	4	JIN051.03W
Acacia hamersleyensis	0.1	3	0.1	3	JIN051.02
Acacia maitlandii	0.1	2	0.2	4	
Acacia monticola			0.1	0.8	
Acacia pruinocarpa	1	4	1	5	
Acacia pyrifolia var. *pyrifolia*	0.1	2	0.1	2	
Acacia tumida var. *pilbarensis*	0.1	2.5	0.1	3	
Alternanthera denticulata var. *denticulata*			0.1	0.2	JIN051.10W
Amaranthus cuspidifolius			0.1	0.3	
Arivela viscosa			0.2	0.3	
Astrotricha hamptonii			0.1	0.8	
Atalaya hemiglauca			0.1	1	
Boerhavia coccinea			0.1	0.2	JIN051.05W
Bulbostylis barbata			0.1	0.2	
Bulbostylis turbinata			0.1	0.1	JIN051.06W
**Cenchrus ciliaris*			0.1	0.3	
Centipeda minima subsp. *macrocephala*			0.1	0.1	
Corymbia ferriticola	0.5	4.5	0.5	4.5	
Crotalaria medicaginea var. *neglecta*			0.1	0.3	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Cynanchum viminale subsp. *australe*	0.1	0.1			
Cyperus vaginatus	1	0.8	1	0.8	
Dodonaea pachyneura	2	1.2	2	1.2	
Duperreya commixta			0.1	0.1	
Eragrostis exigua			0.1	0.2	JIN051.08W
Eremophila naaykensii (P3)	1	2.5	1	2.5	
Eriachne mucronata	20	0.4	20	0.4	
Eriachne tenuiculmis			25	0.4	JIN051.04W
Eucalyptus camaldulensis subsp. *refulgens*	4	15	5	15	
Eulalia aurea	1	0.1	1	0.3	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Euphorbia trigonosperma			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Ficus brachypoda	0.1	1.5	0.1	1.5	
Gomphrena cunninghamii			0.1	0.1	
Gossypium robinsonii	0.1	2	0.1	2	
Grevillea wickhamii	0.1	4	0.1	4	
Gymnanthera cunninghamii (P3)	2	1.6	5	1.8	JIN051.01
Paspalidium clementii			0.1	0.2	JIN127.07w
Pluchea dentex	0.1	0.3	0.1	0.3	
Psydrax latifolia	0.1	3.5	0.1	3.5	
Ptilotus exaltatus			0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhynchosia minima			0.1	0.1	
Santalum lanceolatum	0.1	0.5	0.1	1.6	
Scleromitrion galioides			0.1	0.2	JIN051.09W
Senna glutinosa subsp. *glutinosa*			0.1	0.8	
Stemodia viscosa	0.1	0.4	0.1	0.4	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)			0.1	0.4	
Themeda triandra	4	0.6	4	0.6	
Trachymene oleracea subsp. *oleracea*			0.1	0.2	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.2	
Triodia pungens	1	0.5	1	0.5	
Vincetoxicum lineare	0.1	0.1	0.1	0.1	



Phase 1



Phase 2

Jinidi F&V **Site JIN-052**

Date 15/09/2023 & 25/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

732043 mE; 7465005 mN

119.2622 E -22.906875 S

Veg Condition Excellent

Soil Sandy Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana*, *Triodia vanleeuwenii* low sparse hummock grassland with *Acacia hilliana*, *Acacia adoxa* var. *adoxa* low sparse shrubland with *Acacia inaequilatera* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia hilliana	2	0.1	1.5	0.1	
Acacia inaequilatera	0.1	4	0.1	4	
Acacia pruinocarpa	0.1	1.5	0.1	1	
Amphipogon sericeus	0.5	0.3	0.1	0.2	JIN029.06
Aristida holathera var. *holathera*	0.1	0.1			
Bonamia pilbarensis	0.1	0.1			JIN036.01
Bulbostylis barbata	0.1	0.1	0.1	0.1	
Dolichocarpa crouchiana			0.1	0.1	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Euploca ?tenuifolia	0.1	0.1	0.1	0.1	
Fimbristylis dichotoma			0.1	0.1	
Fimbristylis simulans			0.1	0.1	JIN135.03w
Goodenia stobbsiana			0.1	0.3	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Grevillea wickhamii	0.1	1.3			
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.4	0.1	0.2	
Ptilotus exaltatus	0.1	0.1			
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. *pruinosa*	0.1	1	0.1	0.5	
Triodia vanleeuwenii	4	0.2	4	0.2	
Triodia wiseana	6	0.2	6	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-053**

Date 14/09/2023 & 25/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

732892 mE; 7464192 mN

119.2706 E -22.914100 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low sparse hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Eucalyptus gamophylla* low open woodland over *Senna glutinosa* subsp. *glutinosa* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.4	0.1	0.4	
Acacia arida	0.1	0.3	0.1	0.3	
Acacia hamersleyensis	1	1.4	1	1.4	
Acacia hilliana	0.1	0.3	0.1	0.3	JIN029.08
Acacia inaequilatera	0.1	1	0.1	1	
Acacia maitlandii	0.1	0.2	0.1	1	
Acacia spondylophylla	0.1	0.3	0.1	0.3	
Acacia tenuissima	0.1	0.5	0.1	0.5	
Amphipogon sericeus	0.1	0.3	0.1	0.3	JIN029.06
Bulbostylis barbata	0.1	0.1			
Calytrix carinata	0.1	0.5	0.1	0.5	
Clerodendrum floribundum var. *angustifolium*	0.1	0.1			
Codonocarpus cotinifolius	0.1	2.2	0.1	2.5	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.2	0.1	0.2	
Corymbia hamersleyana	0.1	5	0.1	5	
Cymbopogon ambiguus	0.1	0.2	0.1	0.4	
Dodonaea coriacea			0.1	0.6	
Dolichocarpa crouchiana			0.1	0.1	
Eriachne mucronata	0.5	0.2	0.3	0.5	
Eucalyptus gamophylla	0.5	2.2	0.5	2.2	JIN053.02
Eucalyptus leucophloia subsp. *leucophloia*	0.5	7	0.5	7	
Fimbristylis dichotoma			0.1	0.2	
Gompholobium oreophilum	0.1	0.5	0.1	0.5	JIN029.04
Goodenia cusackiana	0.1	0.1	0.1	0.1	
Goodenia muelleriana			0.1	0.1	
Gossypium australe	0.1	1.3	0.1	1.3	
Grevillea wickhamii	0.1	0.8	0.1	1	
Hibiscus sp. Indet	0.1	0.1			
Paraneurachne muelleri			0.1	0.4	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Santalum lanceolatum			0.1	1.5	
Scaevola browniana subsp. *browniana*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.5	
Senna glutinosa subsp. *pruinosa*	0.1	1.5	0.1	1.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.4	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)			0.1	0.3	
Stylobasium spathulatum	0.1	0.2	0.1	0.2	
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS	0.1	0.1	0.1	0.1	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	0.5	0.4	0.5	0.4	JIN053.01
Themeda triandra	0.1	0.4	0.1	0.4	
Triodia pungens			0.1	0.2	
Triodia vanleeuwenii	5	0.2	5	0.2	
Triodia wiseana	2	0.3	2	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-055**

Date 15/09/2023 & 25/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

732510 mE; 7464711 mN

119.2668 E -22.909469 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Acacia hilliana* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Acacia inaequilatera* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.1	0.1	0.2	
Acacia bivenosa	0.1	1.4	0.1	1.4	
Acacia hilliana	3	0.2	3	0.2	
Acacia inaequilatera	0.5	5	0.5	5	
Acacia tenuissima	0.1	0.4	0.1	0.4	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Bonamia pilbarensis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.3			
Dolichocarpa crouchiana			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4.5	0.5	6	
Fimbristylis dichotoma	0.1	0.1	0.1	0.2	
Goodenia stobbsiana	0.1	0.3	0.1	0.2	
Goodenia triodiophila	0.1	0.2	0.1	0.3	
Hakea chordophylla	0.1	4	0.1	4.5	
Ptilotus astrolasius	0.1	0.2	0.1	0.2	
Ptilotus calostachyus	0.1	0.5	0.1	0.6	
Ptilotus exaltatus			0.1	0.1	
Ptilotus rotundifolius	0.1	0.8	0.1	0.9	
Santalum lanceolatum	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. *glutinosa*	0.1	0.1	0.1	0.5	
Senna glutinosa subsp. *pruinosa*	0.1	0.7			
Senna glutinosa subsp. x *luerssenii*	0.1	1.5	0.1	1.5	
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.3			
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS			0.1	0.1	JIN055.01w
Triodia vanleeuwenii	30	0.2	30	0.3	
Triodia wiseana	2	0.1	3	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-056**



Date	27/03/2024
Described by	Emily Eakin-Busher, Rylan Cunnane
Type	Quadrat 100m x 25m
Location	MGA Zone 50 733881 mE; 7464429 mN 119.2802 E -22.911824 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillslope
Vegetation	*Triodia wiseana*, *Triodia brizoides*, *Triodia vanleeuwenii* low hummock grassland with *Acacia inaequilatera* tall sparse shrubland over *Senna ferraria*, *Senna glutinosa* subsp. *glutinosa* mid isolated shrubs.
Notes	Upper hillslope

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height	
Acacia adoxa var. *adoxa*			0.1	0.2	
Acacia inaequilatera			0.2	3	
Acacia maitlandii			0.1	0.3	
Acacia pachyacra			0.1	0.7	
Acacia pruinocarpa			0.1	0.3	
Acacia spondylophylla			0.1	0.3	
Aristida contorta			0.1	0.2	
Arivela viscosa			0.1	0.1	
Bonamia pilbarensis			0.1	0.1	
Calytrix carinata			0.1	0.4	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Crotalaria novae-hollandiae subsp. *novae-hollandiae*			0.1	0.1	JIN056-02w
Dolichocarpa crouchiana			0.1	0.1	
Eriachne pulchella			0.1	0.1	
Euploca tenuifolia			0.1	0.1	
Fimbristylis simulans			0.1	0.1	
Gossypium australe			0.1	0.2	
Paspalidium basicladum			0.1	0.1	
Ptilotus calostachyus			0.1	0.1	
Ptilotus exaltatus			0.1	0.1	
Senna artemisioides subsp. *oligophylla*			0.1	0.3	
Senna ferraria			0.1	1.2	JIN056.03w
Senna glutinosa subsp. *glutinosa*			0.1	0.5	
Senna glutinosa subsp. *pruinosa*			0.1	0.45	
Tephrosia sp. Indet			0.1	0.05	
Triodia brizoides			20	0.2	JIN056.01w
Triodia vanleeuwenii			2	0.1	
Triodia wiseana			3	0.3	

Jinidi F&V **Site JIN-058**



Date	13/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Quadrat 100m x 25m
Location	MGA Zone 50 733654 mE; 7460262 mN 119.2786 E -22.949462 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Minor Drainage Line
Vegetation	*Acacia tumida* var. *pilbarensis* tall shrubland with *Corymbia hamersleyana* low isolated trees over *Themeda triandra*, *Eriachne mucronata* low open tussock grassland with *Triodia pungens* low open.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.1	0.7			
Acacia monticola	0.1	1			
Acacia pyrifolia var. *pyrifolia*	0.1	1.5			
Acacia tumida var. *pilbarensis*	40	4			
Androcalva luteiflora	0.1	0.6			
Corymbia hamersleyana	2	6			
Dicrastylis cordifolia	0.1	0.2			
Dodonaea lanceolata var. *lanceolata*	1	2.4			
Duperreya commixta	0.1	0.1			
Eriachne mucronata	2	0.3			
Gompholobium oreophilum	0.1	0.2			
Gossypium robinsonii	0.1	2			
Grevillea wickhamii	0.1	1			
Indigofera georgei	0.1	0.6			
Indigofera monophylla	0.1	0.3			
Isotropis iophyta	0.1	0.6			
Jasminum didymum subsp. *lineare*	0.1	2			
Paraneurachne muelleri	0.1	0.3			
Petalostylis labicheoides	0.5	3			
Santalum lanceolatum	0.1	2.5			
Senna glutinosa subsp. *glutinosa*	0.1	0.8			
Themeda triandra	20	0.6			
Triodia pungens	15	0.4			

Jinidi F&V **Site JIN-062**

Date 15/09/2023 & 27/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

735111 mE; 7461485 mN

119.2927 E -22.938222 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low sparse hummock grassland with *Corymbia hamersleyana* low isolated trees over *Hakea chordophylla* tall isolated shrubs over *Acacia hilliana* low isolated shrubs over *Amphipogon sericeus* low isolated tussock grasses with *Fimbristylis simulans* low sparse sedgeland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia bivenosa	0.1	0.3	0.1	0.3	
Acacia hilliana	0.5	0.4	0.5	0.4	
Acacia pruinocarpa	0.1	0.6	0.1	0.6	
Acacia tenuissima	0.1	0.1			JIN075.08
Acacia tumida var. *pilbarensis*	0.1	0.3			
Afrohybanthus aurantiacus			0.1	0.5	
Amphipogon sericeus	0.5	0.2	0.5	0.2	
Aristida holathera var. *holathera*	0.1	0.2			
Bonamia pilbarensis			0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	JIN099.08
Corymbia hamersleyana	0.5	4	0.5	5	
Dodonaea coriacea	0.1	0.4	0.1	0.4	
Eragrostis sp. Indet	0.1	0.2			
Eriachne mucronata			0.1	0.2	
Euploca inexplicita	0.1	0.1			
Fimbristylis simulans			1	0.2	
Gompholobium oreophilum	0.1	0.5	0.1	0.5	
Goodenia stobbsiana	0.1	0.3			
Goodenia triodiophila	0.1	0.1	0.1	0.2	
Grevillea wickhamii	0.1	1.5	0.1	1.5	
Hakea chordophylla	1	2	1	2	
Indigofera monophylla			0.1	0.2	
Ptilotus calostachyus	0.1	0.6	0.1	0.3	
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.3	
Senna ferraria	0.1	0.8	0.1	0.5	JIN062.03W
Sida arenicola	0.1	0.1	0.1	0.6	
Solanum cleistogamum			0.1	0.3	JIN062.02w
Solanum lasiophyllum	0.1	0.3	0.1	0.3	JIN088.01
Trianthema glossostigmum	0.1	0.1	0.1	0.1	JIN062.01
Triodia pungens	0.1	0.2	0.1	0.4	
Triodia vanleeuwenii	5	0.1	20	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-063**



Date	15/09/2023
Described by	Carmel Winton, April Slater
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	734805 mE; 7461630 mN
	119.2897 E -22.936953 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	BIF (ironstone)
Fire Age	Moderate (3 to 5 yr)
Habitat	Minor Drainage Line
Vegetation	*Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii, Dodonaea lanceolata* tall closed shrubland with *Corymbia hamersleyana*, *Eucalyptus gamophylla* low sparse woodland over *Androcalva luteiflora* mid to tall sparse shrubland over *Themeda triandra* mid tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	1.7			JIN093.10
Acacia monticola	0.1	1.4			
Acacia pyrifolia var. *pyrifolia*	0.1	1.6			
Acacia tumida var. *pilbarensis*	71	3			JIN093.06
Alternanthera nana	0.1	0.2			
Androcalva luteiflora	6	3			
Aristida obscura	0.1	0.2			JIN074.02
Bonamia erecta	0.1	0.2			
Corymbia hamersleyana	6	5			
Dodonaea lanceolata var. *lanceolata*	2.5	3			
Duperreya commixta	0.1	0.1			
Enneapogon polyphyllus	0.1	0.2			
Eriachne mucronata	0.1	0.3			JIN092.03
Eucalyptus gamophylla	4	3			
Gossypium robinsonii	0.5	3			
Grevillea wickhamii	4	3.5			
Hibiscus sturtii var. *campylochlamys*	0.1	0.5			
Indigofera monophylla	0.1	0.6			
Jasminum didymum subsp. *lineare*	0.1	0.1			
Mirbelia viminalis	0.1	0.6			
Paraneurachne muelleri	0.1	0.3			
Petalostylis labicheoides	1	2.1			
Ptilotus astrolasius	0.1	0.2			
Rhynchosia minima	0.1	0.1			
Scaevola parvifolia subsp. *pilbarae*	0.1	0.2			
Senna artemisioides subsp. *oligophylla*	0.1	0.1			
Sida ?sp. Dark green fruits (S. van Leeuwen 2260)	0.1	1.1			
Themeda triandra	68	0.5			
Triodia pungens	0.1	0.5			JIN093.10

Jinidi F&V **Site JIN-064**



Date	15/09/2023
Described by	Carmel Winton, April Slater
Type	Quadrat 50m x 50m
Location	MGA Zone 50 734150 mE; 7463177 mN 119.2830 E -22.923080 S
Veg Condition	Excellent
Soil	Sandy Loam
Rock Type	Dolerite, basalt
Fire Age	Old (6+ yr)
Habitat	Hillslope
Vegetation	*Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Corymbia deserticola* subsp. *deserticola*, *Eucalyptus leucophloia* subsp. *leucophloia* low sparse trees over *Acacia spondylophylla, Acacia hilliana* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.1	0.5			
Acacia hilliana	1	0.3			
Acacia inaequilatera	0.1	0.2			
Acacia pruinocarpa	1	1.4			
Acacia spondylophylla	4	0.5			
Corymbia deserticola subsp. *deserticola*	2.5	3			
Eucalyptus leucophloia subsp. *leucophloia*	1	6			
Grevillea wickhamii	0.1	0.6			
Hakea chordophylla	0.1	2.5			
Senna glutinosa subsp. *pruinosa*	0.1	1.4			
Triodia vanleeuwenii	43	0.3			
Triodia wiseana	5	0.5			

Jinidi F&V **Site JIN-065**

Date 15/09/2023 & 26/03/2024

Described by Emma Marsh, Emalyn Loudon & Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

734549 mE; 7463176 mN

119.2869 E -22.923036 S

Veg Condition Excellent

Soil Silty Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Acacia tumida* var. *pilbarensis*, *Santalum lanceolatum, Dodonaea lanceolata* var. *lanceolata* tall shrubland over *Themeda triandra, Eriachne mucronata* mid open tussock grassland over *Triodia pungens* low sparse hummock grassland with *Corymbia hamersleyana* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.1	0.3	
Acacia dictyophleba	0.1	1.2	0.1	1.2	
Acacia hilliana	0.1	0.3	0.1	0.3	
Acacia monticola			0.1	0.8	
Acacia pachyacra	0.1	1	0.1	1	JIN075.08
Acacia tumida var. *pilbarensis*	60	5	50	5	
Afrohybanthus aurantiacus	0.1	0.6	0.1	0.6	
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Androcalva luteiflora	0.5	1.8	0.1	1.8	
Aristida contorta			0.1	0.2	
Aristida holathera var. *holathera*	0.1	0.2	0.1	0.3	
Bulbostylis barbata			0.1	0.1	
Corchorus crozophorifolius	0.1	0.3	0.1	0.3	JIN090.01
Corymbia hamersleyana	5	8.5	5	8.5	
Cymbopogon ambiguus			0.1	0.5	
Dendrophyllanthus erwinii			0.1	0.1	
Dicrastylis cordifolia	0.1	0.3	0.1	0.3	JIN065.01
Dodonaea lanceolata var. *lanceolata*	5	1.3	5	1.3	JIN099.01
Dolichocarpa crouchiana			0.1	0.2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eragrostis ?eriopoda	0.1	0.2			
Eriachne lanata	0.1	0.3	0.1	0.3	JIN065.03
Eriachne mucronata	2.5	0.3	0.3	2.5	JIN099.03
Eucalyptus gamophylla	0.1	4	0.1	4	
Euphorbia sp. Indet (bi/tri)			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Gompholobium oreophilum	0.1	0.5	0.1	0.5	
Gossypium robinsonii	0.1	2	0.1	2	
Grevillea wickhamii	0.1	3	0.1	3	
Hibiscus sturtii var. *campylochlamys*	0.1	0.3	0.1	0.3	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	1	0.1	1	JIN099.02
Indigofera monophylla	0.1	0.3	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Mirbelia viminalis	0.1	0.2	0.1	0.2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium clementii			0.1	0.2	JIN283.04w
Petalostylis labicheoides	0.1	2.5	0.1	2.5	
Santalum lanceolatum	2.5	2	2.5	2	
Seringia nephrosperma			0.1	0.7	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)			0.1	0.3	
Solanum ?horridum	0.1	1.3	0.1	0.3	JIN065.02
Themeda triandra	15	0.4	15	0.4	
Triodia pungens	4	0.4	4	0.4	
Triodia vanleeuwenii	0.1	0.2	0.1	0.2	


Phase 1


Phase 2

Jinidi F&V **Site JIN-066**

Date 15/09/2023 & 25/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Vanessa Yeomans, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

734804 mE; 7464632 mN

119.2892 E -22.909858 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana* low hummock grassland with *Acacia inaequilatera* tall isolated shrubs over *Fimbristylis dichotoma* low sparse sedgeland over *Eriachne pulchella* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.1	
Acacia adoxa var. *adoxa*	0.1	0.4	0.1	0.4	
Acacia dictyophleba	0.1	0.3	0.1	0.3	
Acacia inaequilatera	0.5	4.5	0.5	4	
Acacia spondylophylla	0.1	0.5	0.1	0.5	
Acacia tenuissima	0.1	1			
Aristida contorta			0.1	0.1	
Arivela viscosa			1	0.1	
Bulbostylis barbata	0.1	0.1	0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.1	
Corymbia hamersleyana	0.1	5	0.1	3	
Dolichocarpa crouchiana			0.1	0.1	
Eriachne lanata	0.1	0.1			JIN029.05
Eriachne pulchella			0.1	0.1	
Euphorbia australis var. *subtomentosa*			0.1	0.1	JIN066.02W
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	
Fimbristylis dichotoma			1	0.1	
Fimbristylis simulans			0.1	0.1	
Grevillea wickhamii	0.1	1.1	0.1	1.1	
Hakea lorea subsp. *lorea*	0.1	3.5	0.1	0.4	
Ptilotus exaltatus	0.1	0.1	0.1	0.4	
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	0.1	0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *pruinosa*	0.1	1.8	0.1	1	
Senna glutinosa subsp. x *luerssenii*	0.1	0.9	0.1	1	
Solanum cleistogamum			0.1	0.2	
Solanum phlomoides			0.1	0.4	
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS			0.1	0.1	JIN66.01W
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.4	0.1	0.4	JIN053.01
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Tribulus hirsutus			0.1	0.1	
Triodia wiseana	60	0.7	60	0.6	



Phase 1



Phase 2

Jinidi F&V **Site JIN-067**

Date 15/09/2023 & 25/03/2024

Described by Sam Coultas, Sammy Alatas

Type Quadrat 50m x 50m

Location MGA Zone 50

734585 mE; 7465196 mN

119.2870 E -22.904800 S

Veg Condition Excellent

Soil Clay Loam

Rock Type Dolerite

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia wiseana* low hummock grassland with *Acacia inaequilatera* tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.4	0.1	0.4	
Acacia inaequilatera	1	2.5	1	2.5	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Aristida holathera var. *holathera*	0.1	0.2			
Arivela viscosa			4	0.3	
Bonamia pilbarensis			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	JIN092.07W
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	
Dolichocarpa crouchiana			0.1	0.1	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eriachne pulchella subsp. *dominii*			0.1	0.2	
Euploca tenuifolia	0.1	0.1	0.1	0.1	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Fimbristylis simulans			0.1	0.1	
Gomphrena cunninghamii			0.1	0.1	
Gossypium australe			0.1	0.2	
Grevillea wickhamii	0.1	0.9	0.1	1	
Hibiscus sturtii var. *campylochlamys*	0.1	0.3	0.1	0.3	JIN067.01w
Indigofera monophylla	0.1	0.3	0.1	0.3	
Paraneurachne muelleri	0.1	0.15	0.1	0.2	
Polycarpaea longiflora	0.1	0.1	0.1	0.2	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus	0.1	0.6	0.1	0.4	
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *pruinosa*	0.1	1.2	0.1	1.2	
Solanum lasiophyllum	0.1	0.4	0.1	0.4	
Tephrosia virens	0.1	0.4	0.1	0.2	
Themeda triandra	0.1	0.3	0.1	0.3	
Tribulus hirsutus			0.1	0.1	
Tribulus macrocarpus			0.1	0.2	
Tricoryne sp. Hamersley Range (S. van Leeuwen 915)			0.1	0.2	
Trigastrotheca molluginea	0.1	0.1			
Triodia wiseana	32	0.2	32	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-068**

Date 15/09/2023 & 25/03/2024

Described by Carmel Winton, April Slater & Emily Eakin-Busher, Rylan Cunnane, Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

735819 mE; 7465273 mN

119.2990 E -22.903935 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF (ironstone and basalt)

Fire Age Moderate (3 to 5 yr)

Habitat Minor Drainage Line

Vegetation *Acacia monticola*, *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* tall open shrubland over *Androcalva luteiflora*, *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) mid to low open shrubland over *Themeda triandra*, *Eriachne benthamii*, *Eriachne mucronata* low tussock grassland with *Triodia pungens*, *Triodia wiseana* low open hummock grassland with *Corymbia hamersleyana*, *Eucalyptus xerothermica* low sparse woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	1	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia arida	0.1	1.2	0.1	0.9	
Acacia bivenosa	0.1	1.6	0.1	1	
Acacia hilliana			0.1	0.3	JIN068.06w
Acacia monticola	3	2.2	2	2	
Acacia pyrifolia var. *pyrifolia*	1	2.1	0.5	2.1	
Acacia tumida var. *pilbarensis*	12	2.7	8	2.7	JIN093.06
Afrohybanthus aurantiacus	0.1	0.1	0.1	0.2	
Androcalva luteiflora	5	1.5	5	1.7	
Arivela viscosa			0.1	0.3	
Atalaya hemiglauca	0.1	2.1	0.1	1.7	
Boerhavia coccinea			0.1	0.1	
Bonamia pilbarensis			0.1	0.1	
Bulbostylis barbata			0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	1.4	0.1	1.4	
Corymbia hamersleyana	5	7	5	7	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	
Cymbopogon ambiguus	0.1	0.6	0.1	0.4	JIN068.03
Dodonaea lanceolata var. *lanceolata*	0.1	1.1	0.1	1.1	
Dolichocarpa crouchiana			0.1	0.1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya			0.1	0.1	
Enneapogon lindleyanus	0.1	0.5	0.1	0.2	
Eragrostis eriopoda			0.1	0.3	
Eriachne benthamii	3	0.3	3	0.3	JIN068.04
Eriachne mucronata			0.1	0.3	
Eriachne pulchella			0.1	0.1	
Eucalyptus xerothermica	1	4	1	4	
Euphorbia biconvexa			0.1	0.2	
Euploca tenuifolia			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Goodenia microptera			0.1	0.1	
Goodenia muelleriana			0.1	0.1	JIN068w
Gossypium australe			0.1	0.3	
Gossypium robinsonii	2	2.3	2	2.3	
Gossypium sturtianum var. *sturtianum*	0.1	1			
Grevillea wickhamii	2	2.5	0.5	2.5	
Hibiscus coatesii	0.1	0.2			
Hibiscus sturtii var. *campylochlamys*	0.1	0.3	0.1	0.1	
Indigofera monophylla	0.1	0.3	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	
Nellica maderaspatensis			0.1	0.2	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig			0.1	0.2	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium basicladum			0.1	0.2	
Perotis rara			0.1	0.1	
Petalostylis labicheoides			0.1	2.1	
Polycarpaea longiflora			0.1	0.2	
Polymeria ambigua			0.1	0.1	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus exaltatus			0.1	0.3	
Ptilotus fusiformis			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.5			
Rhynchosia minima	0.1	0.1	0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	0.6	0.1	0.6	
Senna artemisioides subsp. *oligophylla*	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. *glutinosa*	0.1	1.1	0.1	1.1	
Sida sp. L (A.M. Ashby 4202)			0.1	0.2	
Solanum lasiophyllum			0.1	0.4	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker	3	0.6	2	0.6	JIN068.01
Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)	0.1	0.5	0.1	0.5	JIN068.02
Themeda triandra	11	0.6	10	0.3	
Tribulus hirsutus			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.3	
Triodia pungens	13	0.6	5	0.6	
Triodia wiseana	2	0.4	0.1	0.2	


Phase 1


Phase 2

Jinidi F&V **Site JIN-069**

Date 15/09/2023 & 25/03/2024

Described by Emma Marsh, Emalyn Loudon & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

736142 mE; 7465175 mN

119.3021 E -22.904766 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana*, *Triodia vanleeuwenii* low open hummock grassland with *Acacia spondylophylla* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Acacia bivenosa* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia adsurgens	0.1	0.8	0.1	0.8	JIN075.06
Acacia bivenosa	0.5	1.2	0.5	1.2	
Acacia coriacea subsp. *pendens*	0.1	0.2			
Acacia dictyophleba	0.1	0.7	0.1	1	
Acacia hilliana	0.1	0.2	0.1	0.2	
Acacia inaequilatera	0.1	2	0.1	2	
Acacia spondylophylla	2	0.4	3	0.5	
Acacia tenuissima	0.1	1.2	0.1	1.2	
Afrohybanthus aurantiacus	0.1	0.2	0.1	0.2	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Aristida holathera var. *holathera*			0.1	0.2	
Bonamia pilbarensis	0.1	0.1	0.1	0.1	
Dodonaea lanceolata var. *lanceolata*	0.1	0.3	0.1	0.3	JIN068.01
Dolichocarpa crouchiana			0.1	0.1	
Eriachne mucronata			0.1	0.2	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	3.5	6	3.5	6	
Fimbristylis dichotoma			0.1	0.2	JIN055.02w
Fimbristylis simulans			0.1	0.1	
Goodenia stobbsiana	0.1	0.2	0.1	0.1	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Grevillea wickhamii	0.1	1.8	0.1	2	
Hakea chordophylla	0.1	0.6	0.1	0.8	
Hibiscus sturtii	0.1	0.1			
Mirbelia viminalis	0.1	0.3	0.1	0.3	
Paraneurachne muelleri			0.1	0.2	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus			0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	0.5	0.1	0.6	
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1	
Senna glutinosa subsp. *pruinosa*			0.1	0.3	
Sida ?cardiophylla	0.1	0.3			
Triodia vanleeuwenii	5	0.2	7	0.3	
Triodia wiseana	10	0.4	13	0.7	



Phase 1



Phase 2

Jinidi F&V **Site JIN-071**

Date 15/09/2023 & 26/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

735915 mE; 7464223 mN

119.3001 E -22.913394 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type None Discernible

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Eriachne mucronata*, *Themeda triandra* low tussock grassland with *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides*, *Acacia monticola* tall sparse shrubland over *Corymbia hamersleyana*, *Eucalyptus leucophloia* subsp. *leucophloia* low sparse woodland over *Triodia pungens* low sparse hummock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens			0.1	1	JIN071.05w
Acacia aptaneura	0.1	1	0.1	1	
Acacia arida	0.1	0.7	1	0.1	
Acacia bivenosa			0.1	1.5	
Acacia monticola	4	2.2	4	2.5	
Acacia pyrifolia var. *pyrifolia*	0.1	0.6	0.1	0.6	
Acacia spondylophylla	0.1	0.6	0.1	0.7	
Acacia tenuissima			0.1	0.4	
Acacia tumida var. *pilbarensis*	4	2.6	4	2.6	
Afrohybanthus aurantiacus			0.1	0.3	
Androcalva luteiflora	0.5	1.2	0.5	1.7	
Aristida holathera var. *holathera*			0.1	0.1	
Arivela viscosa			0.1	0.3	
Boerhavia coccinea			0.1	0.1	
Bonamia erecta			0.1	0.1	
Bonamia pilbarensis			0.1	0.1	
Chrysopogon fallax			0.1	0.5	
Clerodendrum tomentosum var. *lanceolatum*			0.1	1.2	JIN071.03w
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	1	
Corchorus sp. Indet			0.1	0.1	JIN071.06w
Corymbia hamersleyana	1	5	1	5	
Cucumis variabilis			0.1	0.1	
Dampiera candicans	0.1	0.3			
Dodonaea lanceolata var. *lanceolata*	0.1	1.2	0.1	1.4	
Dodonaea pachyneura	0.1	0.6	0.1	0.6	
Dolichocarpa crouchiana			0.1	0.2	
Duperreya commixta			0.1	0.1	
Enneapogon polyphyllus			0.1	0.1	
Eremophila longifolia			0.1	1.5	
Eriachne benthamii			0.1	0.2	
Eriachne mucronata	35	0.4	20	0.4	
Eucalyptus leucophloia subsp. *leucophloia*	1	9	1	9	
Euphorbia australis var. *subtomentosa*			0.1	0.2	JIN071.08w
Euphorbia sp. indet (bi/tri)			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Euphorbia tannensis subsp. eremophila			0.1	0.2	
Fimbristylis simulans			0.1	0.1	
Gomphrena cunninghamii			0.1	0.1	
Goodenia muelleriana			0.1	0.3	
Goodenia stobbsiana	0.1	0.7			
Goodenia triodiophila			0.1	0.4	
Gossypium australe			0.1	0.4	
Gossypium robinsonii	0.1	1.2	0.1	2	
Grevillea wickhamii	0.1	2.8	0.1	3	
Hibiscus coatesii			0.1	0.1	
Hibiscus sturtii var. *campylochlamys*	0.1	0.2	0.1	0.4	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.6	0.1	0.6	JIN071.01
Indigofera monophylla			0.1	0.5	
Jasminum didymum subsp. *lineare*	0.1	0.8	0.1	1.4	
Paraneurachne muelleri			0.1	0.2	
Paspalidium clementii			0.1	0.2	JIN255.04w
Petalostylis labicheoides	0.5	3	0.5	3	
Polymeria ambigua			0.1	0.1	
Ptilotus astrolasius	0.1	0.2	0.1	0.4	
Ptilotus auriculifolius			0.1	0.2	
Ptilotus fusiformis			0.1	0.2	JIN116.13w
Rhynchosia minima			0.1	0.1	
Santalum lanceolatum	0.1	0.6	0.1	1.6	
Senna artemisioides subsp. *oligophylla*			0.1	0.3	
Senna ferraria	0.1	1.8	0.1	1.6	
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. *pruinosa*	0.1	1.4	0.1	1.8	
Senna notabilis			0.1	0.1	
Sida sp. Articulation below (A.A. Mitchell PRP 1605)			0.1	1.5	JIN071.09w
Sida sp. Pilbara (A.A. Mitchell PRP 1543)			0.1	0.3	JIN071.07w
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)			0.1	0.4	
Solanum lasiophyllum	0.1	0.2	0.1	0.3	
Solanum phlomoides			0.1	0.3	JIN071.02w
Stylobasium spathulatum			0.1	1.2	
Tephrosia densa			0.1	0.7	JIN071.04w
Themeda triandra	15	0.6	15	0.6	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	2	0.4	2	0.5	
Triodia wiseana	0.1	0.4	0.1	0.4	JIN071.05w



Phase 1



Phase 2

Jinidi F&V **Site JIN-073**

Date 15/09/2023 & 26/03/2024

Described by Sam Coultas, Sammy Alatas & Emily Eakin-Busher

Type Quadrat 100m x 25m

Location MGA Zone 50

735614 mE; 7462125 mN

119.2975 E -22.932374 S

Veg Condition Excellent

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Themeda triandra*, *Eriachne mucronata* low tussock grassland with *Triodia pungens*, *Triodia wiseana* low open hummock grassland with *Gossypium robinsonii*, *Acacia monticola* tall sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon ? *macrum*	0.1	0.3	0.1	0.1	
Abutilon ?sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.2	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.3	
Acacia arida	0.1	0.6	0.1	0.6	
Acacia hamersleyensis	0.1	1			
Acacia monticola	1	2	1	2	
Acacia pruinocarpa	0.1	1	0.1	1	
Acacia pyrifolia var. *pyrifolia*	0.1	2.5	0.1	2.5	
Acacia spondylophylla	0.1	0.4	0.1	0.4	
Acacia tumida var. *pilbarensis*	0.1	1.3	0.1	1.3	
Afrohybanthus aurantiacus			0.1	0.3	
Alternanthera nana			0.1	0.1	
Arivela viscosa			0.1	0.3	
Boerhavia coccinea			0.1	0.1	
Bonamia pilbarensis			0.1	0.1	
Bulbostylis barbata			0.1	0.1	JIN073.01w
Cheilanthes brownii			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Corymbia hamersleyana	0.5	4	0.5	4.5	
Cucumis variabilis			0.1	0.2	
Cymbopogon ambiguus	0.1	0.7	0.1	0.3	
Cyperus hesperius	0.1	0.2	0.1	0.2	
Dolichocarpa crouchiana			0.1	0.1	
Dysphania rhadinostachya			1	0.1	
Enneapogon caerulescens	0.1	0.1	0.1	0.2	
Enneapogon polyphyllus			0.1	0.2	
Eriachne mucronata	5	0.3	5	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	6	0.5	6	
Euphorbia boophthona			0.1	0.2	
Euphorbia trigonosperma			0.1	0.3	
Gomphrena cunninghamii			0.1	0.1	
Goodenia muelleriana			0.1	0.1	JIN068w
Gossypium robinsonii	1	1.8	0.5	2	
Grevillea wickhamii	0.1	2	0.1	2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Hibiscus coatesii	0.1	0.4	0.1	0.2	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.4	0.1	0.4	
Jasminum didymum subsp. *lineare*	0.1	1.8	0.1	0.1	
Nellica maderaspatensis			0.1	0.2	
Paraneurachne muelleri	0.1	0.1	0.1	0.2	
Paspalidium basicladum			0.1	0.2	
Polycarpaea longiflora			0.1	0.2	
Ptilotus exaltatus			0.1	0.1	
Ptilotus fusiformis			0.1	0.3	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhynchosia minima			0.1	0.1	
Santalum lanceolatum	0.1	1.7	0.1	1.7	
Senna artemisioides subsp. *oligophylla*			0.1	1	
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna notabilis			0.1	0.1	
Senna venusta			0.1	0.1	
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	1.8			
Sida sp. Excedentifolia (J.L. Egan 1925)			0.1	0.2	JIN073.02w
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2			
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.2	0.1	0.3	
Solanum sp. Indet			0.1	0.1	JIN160.s01
Themeda triandra	20	0.4	20	0.4	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Tribulus hirsutus			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	2	0.4	2	0.4	
Triodia wiseana	15	0.4	15	0.3	
Triumfetta leptacantha			0.1	0.1	


Phase 1


Phase 2

Jinidi F&V **Site JIN-074**

Date 15/09/2023 & 26/03/2024

Described by Carmel Winton, April Slater & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

735920 mE; 7459260 mN

119.3009 E -22.958189 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF (ironstone)

Fire Age Moderate (3 to 5 yr)

Habitat Drainage Area/ Floodplain

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia pruinocarpa*, *Acacia pteraneura* tall shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated clumps of trees over *Eremophila forrestii* subsp. *forrestii* mid sparse shrubland over *Triodia pungens* sparse hummock grassland with *Aristida obscura*, *Enneapogon polyphyllus*, *Digitaria brownii* low open tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon cunninghamii			0.1	0.1	JIN74.14
Abutilon macrum			0.1	0.1	JIN74.09W
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.2	
Acacia ayersiana			1	5	JIN074.03W
Acacia catenulata subsp. *occidentalis*	38	5	38	5	JIN074.01
Acacia pruinocarpa	6	5	6	5	
Acacia pteraneura	1	4	0.5	4.5	
Amaranthus cuspidifolius			0.1	0.1	JIN74.11w
Aristida contorta	0.5	0.2	0.5	0.2	
Aristida obscura	1	0.5	2	0.1	JIN074.02
Arivela viscosa			0.1	0.1	
**Bidens bipinnata*	0.1	0.1	0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*	0.5	0.1	0.1	0.1	
Chrysopogon fallax			0.1	0.6	
Codonocarpus cotinifolius	0.1	4	0.1	4	
Cucumis variabilis			0.1	0.1	
Digitaria brownii			10	0.2	JIN74.25W
Digitaria ctenantha			0.1	0.1	JIN74.28W
Dysphania melanocarpa forma *melanocarpa*			0.1	0.1	JIN74.19
Enneapogon caerulescens			0.1	0.1	JIN74.24w
Enneapogon polyphyllus			5	0.2	JIN74.27W
Eragrostis eriopoda	0.1	0.4	0.1	0.4	JIN092.01
Eremophila forrestii subsp. *forrestii*	3	1.1	3	1.1	
Eriachne helmsii			0.1	0.3	JIN74.26W
Eucalyptus leucophloia subsp. *leucophloia*	0.5	6	0.5	6	
Euphorbia trigonosperma			0.1	0.1	
Euploca inexplicita			0.1	0.1	JIN074.06w
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Goodenia muelleriana			0.1	0.1	JIN74.16
Hibiscus burtonii	0.1	0.6	0.1	0.6	
Hibiscus sturtii var. *campylochlamys*			0.1	0.1	JIN74.15
Iseilema membranaceum			0.1	0.1	JIN74.23

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Iseilema sp.	0.1	0.1			
Nicotiana sp. Indet			0.1	0.1	JIN74.20
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	JIN74.21
Perotis rara			0.5	0.1	
Polygala glaucifolia			0.1	0.1	JIN096.16W
Portulaca oleracea			0.1	0.1	JIN074.07W
Ptilotus exaltatus			0.1	0.1	
Ptilotus helipteroides			0.1	0.1	JIN74.05W
Ptilotus obovatus var. *obovatus*	0.1	0.1	0.1	0.6	
Ptilotus polystachyus			0.1	0.1	JIN74.18
Rhagodia eremaea	0.1	1.1	0.1	1	
Senna notabilis			0.1	0.1	
Sida sp. L (A.M. Ashby 4202)			0.1	0.1	JIN74.17w
Solanum lasiophyllum	0.1	0.1	0.1	0.2	
Solanum phlomoides			0.1	0.1	JIN74.13W
Sporobolus australasicus			0.1	0.1	
Tribulopis angustifolia			0.1	0.1	JIN74.12w
Tribulus astrocarpus			0.1	0.1	JIn174.08w
Tribulus hirsutus			0.1	0.2	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	4	0.5	10	0.5	JIN74.14


Phase 1


Phase 2

Jinidi F&V **Site JIN-075**

Date 15/09/2023 & 26/03/2024

Described by Emma Marsh, Emalyn Loudon & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

735901 mE; 7459758 mN

119.3006 E -22.953697 S

Veg Condition Very Good

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Acacia tumida* var. *pilbarensis*, *Acacia dictyophleba*, *Androcalva luteiflora*, *Eremophila longifolia* tall shrubland over *Themeda triandra* mid open tussock grassland with *Eucalyptus xerothermica*, *Corymbia hamersleyana* low open woodland over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186), *Indigofera georgei* mid open shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon ? macrum			0.1	0.1	
Abutilon ?fraseri	0.1	0.3	0.1	0.3	
Acacia adsurgens	0.1	1.5	0.1	2	JIN075.06
Acacia ancistrocarpa	0.1	1.6			
Acacia aptaneura	0.1	1.3	0.1	2.2	JIN088.05
Acacia bivenosa	0.1	1.8	0.1	1.8	
Acacia catenulata subsp. *occidentalis*	0.1	1.2	0.1	1.2	JIN075.13
Acacia cowleana	0.5	5	0.5	5	JIN075.09
Acacia dictyophleba	5	2.5	5	2.5	
Acacia pachyacra	0.1	2	0.1	3.2	JIN075.08
Acacia pyrifolia var. *pyrifolia*	0.1	2	0.1	3.5	
Acacia tumida var. *pilbarensis*	20	4	20	4	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.3	
Alternanthera denticulata var. *denticulata*	0.1	0.1	0.1	0.1	JIN075.01
Androcalva luteiflora	2	2.5	2	2.5	
Aristida holathera var. *holathera*	0.1	0.5	0.1	0.4	
Aristida inaequiglumis	0.1	0.3	0.1	0.4	
Aristida pruinose	0.1	0.4	0.1	0.3	JIN075.12
Arivela viscosa			0.1	0.1	
**Bidens bipinnata*			0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Bonamia erecta	0.1	0.4	0.1	0.3	
**Cenchrus ciliaris*			0.1	0.3	
Chrysopogon fallax	0.1	1	0.1	0.7	
Corchorus tridens			0.1	0.1	
Corymbia hamersleyana	1	7.5	0.1	4	
Cucumis variabilis	0.1	0.1	0.1	0.1	
Cullen leucochaites	0.1	0.3			JIN075.07
Cymbopogon obtectus	0.1	0.5	0.1	0.4	JIN075.10
Dactyloctenium radulans	0.1	0.1			
Digitaria brownii	0.1	0.3	0.1	0.3	
Digitaria ctenantha			0.1	0.2	
Dodonaea lanceolata var. *lanceolata*	0.1	2	0.1	2.2	JIN099.01
Duperreya commixta	0.1	0.1	0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Dysphania kalpari	0.1	0.1			
Enneapogon caerulescens	0.1	0.3	0.1	0.2	
Enneapogon polyphyllus			0.1	0.1	
Eremophila latrobei subsp. *latrobei*	0.1	1.1	0.1	1.1	JIN075.02
Eremophila longifolia	2	3	2	2	
Eriachne mucronata			0.1	0.2	
Eucalyptus gamophylla			0.1	4	
Eucalyptus xerothermica	5.5	4.5	5	6.5	JIN075.05
Eulalia aurea	0.1	0.3	0.1	0.3	
Euphorbia australis var. *subtomentosa*	0.1	0.1			JIN075.14
Euphorbia tannensis subsp. *eremophila*			0.1	0.2	
Euphorbia trigonosperma	0.1	0.2	0.1	0.2	
Evolvulus alsinoides var. *decumbens*	0.1	0.2			
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Goodenia forrestii	0.1	0.2			
Goodenia microptera			0.1	0.1	
Gossypium robinsonii	0.1	5.5	0.1	4	
Gossypium sturtianum var. *sturtianum*			0.1	2	
Grevillea wickhamii	0.1	3.5	0.1	3.5	
Hibiscus sturtii var. *platychlamys*	0.1	0.3	0.1	0.3	
Indigofera georgei	1	1.2	0.1	1.5	JIN099.04
Indigofera monophylla	0.1	0.3	0.1	0.3	
Ipomoea muelleri	0.1	0.1			
Jasminum didymum subsp. *lineare*	0.1	2	0.1	0.1	
Nellica maderaspatensis			0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.2	
Panicum effusum	0.1	0.3			
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium rarum			0.1	0.2	
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.1	4	0.1	4	
Polymeria ambigua	0.1	0.1	0.1	0.1	
Pterocaulon sphacelatum	0.1	0.4	0.1	0.3	
Ptilotus ?auriculifolius			0.1	0.1	
Ptilotus astrolasius	0.1	0.4	0.1	0.3	
Ptilotus fusiformis			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.3	
Rhagodia eremaea	0.1	1.4	0.1	1.4	
Rhynchosia minima	0.1	0.1	0.1	0.1	
Santalum lanceolatum	0.1	3.5	0.1	3.5	
Scaevola amblyanthera var. *centralis*	0.1	0.3	0.1	0.3	JIN075.04
Scaevola parvifolia subsp. *pilbarae*	0.1	0.2			
Senna artemisioides subsp. *oligophylla*	0.1	0.8	0.1	1.1	
Senna notabilis			0.1	0.1	
Setaria surgens			0.1	0.1	
**Setaria verticillata*			0.1	0.3	
Sida ? echinocarpa	0.1	0.1			
Sida sp. L (A.M. Ashby 4202)	0.1	0.2	0.1	0.2	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1	0.1	1	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker	10	0.4	5	0.4	
Themeda triandra	25	1	25	0.4	
Trachymene oleracea subsp. *oleracea*	0.1	0.3	0.1	0.1	
Tribulopis angustifolia			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Trichodesma zeylanicum var. *zeylanicum*	0.1	0.1	0.1	0.1	
Triodia pungens	*0.1*	*0.4*	*0.1*	*0.4*	
Urochloa distachyos			*0.1*	*0.3*	*JIN075.15w*
Vincetoxicum lineare	*0.1*	*0.1*	*0.1*	*0.1*	



Phase 1



Phase 2

Jinidi F&V **Site JIN-076**

Date 13/09/2023 & 23/03/2024

Described by Sam Coultas, Sammy Alatas & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

735082 mE; 7460153 mN

119.2926 E -22.950247 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Moderate (3 to 5 yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Acacia hilliana*, *Acacia arida* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low sparse woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia arida	0.5	0.6	0.5	0.6	
Acacia hilliana	0.5	0.3	0.5	0.3	
Acacia monticola	0.1	0.2			
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Aristida holathera var. *holathera*			0.1	0.2	
Bonamia erecta			0.1	0.4	
Bonamia pilbarensis			0.1	0.1	JIN076.01W
Bulbostylis barbata			0.1	0.1	
Corchorus lasiocarpus	0.1	0.5	0.1	0.5	
Dolichocarpa crouchiana			0.1	0.1	
Eriachne lanata	0.1	0.3	0.1	0.3	
Eriachne mucronata	0.1	0.4	0.1	0.4	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	1	2.5	1	2.5	
Fimbristylis dichotoma			0.1	0.1	
Gompholobium oreophilum	0.1	0.5	0.1	0.5	
Goodenia stobbsiana	0.1	0.2	0.1	0.2	
Grevillea wickhamii	0.1	0.6	0.1	0.5	
Hakea chordophylla	0.1	0.6	0.1	0.6	
Indigofera monophyla			0.1	0.2	
Ptilotus ?fusiformis			0.1	0.1	
Ptilotus calostachyus	0.1	0.5	0.1	0.05	
Scaevola browniana subsp. *browniana*	0.1	0.3			
Schizachyrium fragile			0.1	0.1	JIN160.01w
Tephrosia oxalidea			0.1	0.05	
Triodia vanleeuwenii	32	0.2	32	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-077**



Date	16/09/2023
Described by	Carmel Winton, April Slater
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	728332 mE; 7460525 mN
	119.2267 E -22.947833 S
Veg Condition	Excellent
Soil	Loamy Sand
Rock Type	BIF (ironstone)
Fire Age	Moderate (3 to 5 yr)
Habitat	Drainage Area/ Floodplain
Vegetation	*Acacia pruinocarpa*, *Acacia pyrifolia* var. *pyrifolia*, *Acacia bivenosa* tall sparse shrubland with *Corymbia hamersleyana* low isolated trees over *Eremophila longifolia*, *Androcalva luteiflora* mid to tall sparse shrubland over *Ptilotus obovatus* var. *obovatus*, *Ptilotus astrolasius*, *Indigofera georgei* low open shrubland over *Triodia pungens* low sparse hummock grassland with *Eriachne mucronata*, *Themeda triandra*, *Enneapogon lindleyanus* mid sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	1.2			JIN093.10
Acacia bivenosa	1	1.2			
Acacia citrinoviridis	0.5	2.2			
Acacia pruinocarpa	3	2.5			
Acacia pyrifolia var. *pyrifolia*	1.5	2.5			
Afrohybanthus aurantiacus	0.1	0.4			
Androcalva luteiflora	1.5	1.3			
Aristida contorta	0.5	0.3			
Atalaya hemiglauca	0.1	1.3			
Corchorus lasiocarpus subsp. *parvus*	1	1			
Digitaria brownii	2	0.3			
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.5			
Duperreya commixta	0.1	0.1			
Enneapogon lindleyanus	1	0.3			
Enneapogon polyphyllus	0.5	0.4			
Eremophila longifolia	6	1.6			
Eriachne mucronata	3	0.5			JIN092.03
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1			
Gossypium australe	1	0.2			
Gossypium robinsonii	0.1	2.1			
Hakea chordophylla	0.1	2.2			
Indigofera georgei	1	0.3			
Indigofera monophylla	0.1	0.4			
Paraneurachne muelleri	1	0.3			
Petalostylis labicheoides	1	2.6			
Ptilotus astrolasius	5	0.3			
Ptilotus exaltatus	0.1	0.3			
Ptilotus obovatus var. *obovatus*	1	0.8			
Scaevola spinescens	0.5	1.1			
Senna artemisioides subsp. *helmsii*	0.1	0.6			
Senna artemisioides subsp. *oligophylla*	1	0.6			
Solanum lasiophyllum	0.1	0.4			

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Stylobasium spathulatum	0.1	1.5			
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker	1.5	0.5			JIN013.01
Themeda triandra	1	0.4			
Triodia pungens	6	0.5			JIN093.10

Jinidi F&V **Site JIN-078**



Date	16/09/2023
Described by	Carmel Winton, April Slater
Type	Quadrat 100m x 25m
Location	MGA Zone 50 728871 mE; 7460327 mN 119.2320 E -22.949545 S
Veg Condition	Very Good
Soil	Sandy Loam
Rock Type	Dolerite (Ironstone on calcrete bedrock/outcropping)
Fire Age	Moderate (3 to 5 yr)
Habitat	Medium Drainage Line
Vegetation	*Themeda triandra* mid open tussock grassland with *Eucalyptus xerothermica*, *Corymbia hamersleyana* low open woodland over *Eremophila longifolia*, *Acacia pyrifolia* var. *pyrifolia*, *Petalostylis labicheoides* tall open shrubland over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186), *Ptilotus obovatus* var. *obovatus* low open.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	1.8			JIN093.10
Acacia bivenosa	0.1	1.8			
Acacia citrinoviridis	0.5	2			
Acacia pruinocarpa	1	2			
Acacia pyrifolia var. *pyrifolia*	3	2.3			
Acacia tetragonophylla	0.1	0.5			
Afrohybanthus aurantiacus	0.1	0.6			
Androcalva luteiflora	0.5	1.2			
Arivela viscosa	0.1	0.3			
Atalaya hemiglauca	0.5	4			
Capparis lasiantha	0.1	0.5			
**Cenchrus ciliaris*	0.1	0.4			
Corchorus crozophorifolius	0.1	0.4			
Corymbia hamersleyana	3	9			
Cymbopogon ambiguus	0.5	1.6			JIN078.02
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.4			
Duperreya commixta	0.1	0.1			
Enneapogon lindleyanus	0.1	0.4			
Eremophila longifolia	7	1.4			
Eriachne mucronate	0.1	0.4			JIN092.03
Eriachne pulchella subsp. *pulchella*	0.1	0.1			
Eriachne tenuiculmis	0.5	0.8			JIN078.01
Eucalyptus xerothermica	6	8			
Eulalia aurea	8	0.5			
Gomphrena cunninghamii	0.1	0.1			
Gossypium australe	0.1	0.3			
Gossypium robinsonii	0.1	2.8			
Gossypium sturtianum var. *sturtianum*	0.1	0.4			
Indigofera monophyla	0.1	0.4			
Jasminum didymum subsp. *lineare*	0.1	0.1			
Paraneurachne muelleri	0.1	0.2			
Petalostylis labicheoides	3	2.5			
Ptilotus astrolasius	0.1	0.6			

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Ptilotus obovatus var. *obovatus*	3	1.2			
Senna artemisioides subsp. *oligophylla*	0.1	1			
Senna glutinosa subsp. x *luerssenii*	0.1	1.2			
Solanum lasiophyllum	0.1	0.4			
Stylobasium spathulatum	0.5	3.2			
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	15	0.5			JIN093.12
Themeda triandra	18	0.5			
Triodia pungens	1	0.3			
Triodia wiseana	0.1	0.5			
Vachellia farnesiana var. *farnesiana*	0.1	0.5			JIN078.03

Jinidi F&V **Site JIN-080**



Date	16/09/2023
Described by	Carmel Winton, April Slater
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	728161 mE; 7459680 mN
	119.2252 E -22.955484 S
Veg Condition	Excellent
Soil	Sandy Loam
Rock Type	Limestone (Calcrete)
Fire Age	Moderate (3 to 5 yr)
Habitat	Calcrete Plain
Vegetation	*Triodia wiseana* low hummock grassland with *Acacia bivenosa* mid open shrubland over *Euploca chrysocarpa* low isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	16	1.2			
Acacia subtiliformis	0.1	0.5			
Androcalva luteiflora	0.1	1.2			
Corchorus crozophorifolius	0.1	0.7			
Enneapogon polyphyllus	0.1	0.1			JIN080.03
Euploca chrysocarpa	1	0.2			JIN080.02
Goodenia cusackiana	0.1	0.1			
Halgania cyanea var. Allambi Stn (B.W. Strong 676)	0.1	0.4			
Jasminum didymum subsp. *lineare*	0.1	0.1			
Petalostylis labicheoides	0.1	1.7			
Ptilotus sp. Indet	0.1	0.2			
Santalum lanceolatum	0.1	1.2			
Senna artemisioides subsp. *oligophylla*	0.1	0.5			
Sida fibulifera	0.1	0.5			
Triodia wiseana	33	0.3			JIN080.01

Jinidi F&V **Site JIN-081**



Date	16/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	730125 mE; 7460562 mN
	119.2442 E -22.947245 S
Veg Condition	Good
Soil	Sandy Loam
Rock Type	Detritals
Fire Age	Moderate (3 to 5 yr)
Habitat	Medium Drainage Line
Vegetation	**Cenchrus ciliaris* low tussock grassland with *Eremophila longifolia*, *Acacia pyrifolia* var. *pyrifolia*, *Androcalva luteiflora* tall open shrubland with *Eucalyptus xerothermica*, *Corymbia hamersleyana* mid open.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	1.5			JIN081.02
Acacia ancistrocarpa	0.1	1.7			JIN081.06
Acacia bivenosa	0.1	1.6			
Acacia dictyophleba	0.2	1.8			JIN081.09
Acacia elachantha	0.1	2.5			JIN081.10
Acacia inaequilatera	0.1	3			
Acacia pruinocarpa	0.1	6			
Acacia pyrifolia var. *pyrifolia*	0.1	2.2			
Acacia tetragonophylla	0.1	0.4			JIN081.12
Alternanthera denticulata var. *denticulata*	0.1	0.4			JIN030.02
Androcalva luteiflora	0.5	2.5			
Atalaya hemiglauca	0.1	1.5			
Capparis lasiantha	0.1	0.1			JIN084.08
**Cenchrus ciliaris*	60	0.4			
Clerodendrum floribundum var. *angustifolium*	0.1	1.6			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.6			
Corymbia hamersleyana	0.1	9			
Cucumis variabilis	0.1	0.1			
Dipteracanthus australasicus subsp. *australasicus*	0.2	0.2			JIN081.15
Duperreya commixta	0.1	0.1			
Ehretia saligna var. *saligna*	0.1	1			
Enneapogon caerulescens	0.1	0.3			
Enneapogon polyphyllus	0.1	0.4			JIN081.11
Eremophila longifolia	12	3			
Eriachne ? benthamii	0.1	0.3			JIN037.13
Eucalyptus xerothermica	0.5	8			JIN081.03
Goodenia stobbsiana	0.1	0.2			
Gossypium australe	0.1	0.4			
Gossypium robinsonii	0.1	0.5			
Hakea lorea subsp. *lorea*	0.1	4			
Indigofera georgei	0.1	0.6			JIN081.08
Isotropis iophyta	0.1	0.6			JIN081.01
Jasminum didymum subsp. *lineare*	0.1	0.1			
Maireana planifolia x *villosa*	0.1	0.3			JIN081.13
Melhania oblongifolia	0.1	0.1			JIN081.14

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Paraneurachne muelleri	0.1	0.5			
Petalostylis labicheoides	0.1	2			
Ptilotus astrolasius	0.1	0.4			JIN084.06
Ptilotus obovatus var. *obovatus*	0.1	1.5			
Rhagodia eremaea	0.1	0.5			JIN084.07
Rhynchosia minima	0.1	0.1			
Senna artemisioides subsp. *filifolia*	0.1	1.5			JIN081.07
Senna artemisioides subsp. *helmsii*	0.1	0.5			
Senna glutinosa subsp. *glutinosa*	0.1	1.5			
Solanum lasiophyllum	0.1	0.6			
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.3			
Themeda triandra	0.2	1			
Triodia pungens	0.1	0.4			
Triodia wiseana	0.1	0.3			JIN081.02

Jinidi F&V **Site JIN-082**

Date 16/09/2023 & 8/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 100m x 25m

Location MGA Zone 50

729452 mE; 7458692 mN

119.2379 E -22.964224 S

Veg Condition Excellent

Soil Clay Loam

Rock Type Detritals (riverstone)

Fire Age Old (6+ yr)

Habitat Medium Drainage Line

Vegetation *Acacia pruinocarpa*, *Acacia catenulata* subsp. *occidentalis*, *Acacia aneura* mid mallee shrubland over *Themeda triandra* low isolated tussock grasses with *Triodia pungens*, *Triodia wiseana* low isolated clumps of hummock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aneura	15	6	16	6	JIN084.04
Acacia bivenosa	0.1	1.5	0.1	2	JIN082.04
Acacia catenulata subsp. *occidentalis*	25	6	25	6	JIN084.05
Acacia pruinocarpa	7	6	7	6	
Acacia pyrifolia var. *pyrifolia*	0.1	0.5	0.1	1	
Acacia sibirica	2	6	2	6	JIN084.02
Acacia tetragonophylla	0.1	2	0.1	2	JIN082.01
Anthobolus leptomerioides	0.1	0.4	0.1	0.4	JIN084.09
Arivela viscosa			0.1	0.3	
**Bidens bipinnata*			3	0.2	JIN082.18w
Boerhavia coccinea			0.1	0.1	JIN082.23w
Capparis lasiantha	0.1	0.1	0.1	0.1	JIN084.08
Cheilanthes sieberi subsp. *sieberi*			0.1	0.2	
Chrysopogon fallax			0.2	1	JIN082.15w
Corchorus tridens			0.2	0.1	JIN082.17w
Cucumis variabilis			0.1	0.1	
Dactyloctenium radulans			0.1	0.1	JIN082.25w
Digitaria brownii			0.1	0.2	JIN082.22w
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon polyphyllus			0.1	0.3	JIN083.09W
Eremophila forrestii subsp. *forrestii*	0.1	1.3	0.1	1.5	JIN082.13w
Eriachne mucronata			5	0.5	JIN082.11w
Eucalyptus gamophylla			0.1	1.5	
Eucalyptus xerothermica	0.1	8	0.1	8	JIN084.09
Euphorbia trigonosperma			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.2	0.1	0.2	
Gossypium robinsonii			0.1	0.1	JIN082.19w
Grevillea berryana			0.1	1.3	
Hakea lorea subsp. *lorea*			0.1	5	
Hibiscus ?coatesii			0.1	0.1	JIN082.16
Iseilema membranaceum			0.1	0.1	JIN082.26w
Isotropis iophyta	0.1	0.6	0.1	0.6	JIN081.01
Perotis rara			0.1	0.1	JIN082.12w
Petalostylis labicheoides	0.1	1.6	0.1	2.3	
Portulaca oleracea			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Ptilotus calostachyus	0.1	0.4			
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.8	0.1	1.2	JIN082.20w
Rhagodia eremaea	0.1	2	0.1	2	JIN084.07
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	1.8	0.1	1.8	
Senna artemisioides subsp. x *artemisioides*	0.1	2	0.1	2	JIN082.02
Senna notabilis			0.1	0.3	
Sida ectogama	0.1	0.3			
Solanum lasiophyllum	0.1	0.5			
Themeda triandra	3	0.4	0.5	0.2	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.2	
Triodia pungens	0.5	0.5	2	0.5	
Triodia wiseana	0.1	0.3	0.1	0.3	
Urochloa ?distachyos			0.1	0.1	JIN082.24w
Vincetoxicum lineare			1	0.1	
Waltheria indica			0.1	0.1	JIN084.04


Phase 1


Phase 2

Jinidi F&V **Site JIN-083**

Date 17/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

728917 mE; 7459454 mN

119.2326 E -22.957413 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID (ironstone and scattered calcrete)

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia wiseana* low sparse hummock grassland with *Acacia pyrifolia* var. *pyrifolia*, *Acacia inaequilatera* tall isolated shrubs with *Eucalyptus gamophylla* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	1			JIN075.06
Acacia ancistrocarpa	0.1	1.4	0.2	1.4	
Acacia aptaneura	0.1	2.5	0.5	2	JIN083.12W
Acacia arida	0.1	1.2	0.1	1	
Acacia bivenosa	0.1	1.4	0.1	1.4	
Acacia inaequilatera	1	3.5	1	3.5	
Acacia pruinocarpa	0.1	1.5	0.1	1.5	
Acacia pyrifolia var. *pyrifolia*	1.5	5	1.5	3	
Amphipogon sericeus	0.1	0.3			
Aristida contorta	0.1	0.1	0.1	0.1	
Aristida holathera var. *holathera*	0.1	0.4	0.1	0.4	JIN083.01
Arivela viscosa			0.1	0.2	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.7	0.1	0.7	JIN099.08
Corchorus sp. Indet			0.1	0.1	JIN083.05W
Digitaria brownii	0.1	0.3			
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.3	0.1	0.3	
Eriachne pulchella	0.1	0.1			
Euphorbia trigonosperma			0.2	0.3	JIN083.04W
Euploca heterantha	0.1	0.1	0.1	0.1	JIN083.02
Euploca sp. Indet	0.1	0.2			
Evolvulus alsinoides			0.1	0.1	JIN083.08W
Goodenia triodiophila	0.1	0.1			
Hakea chordophylla	0.1	1.5	0.1	1.5	
Hibiscus sturtii var. *campylochlamys*	0.1	0.3	0.1	0.3	
Indigofera monophylla	0.1	0.2	0.2	0.3	
Jasminum didymum subsp. *lineare*	0.1	1.8	0.1	1.8	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.2	JIN083.03W
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium clementii			0.1	0.1	JIN083.11W
Portulaca oleracea			0.1	0.1	JON083.07
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.8	0.1	0.8	
Ptilotus exaltatus	0.1	0.2			
Senna artemisioides subsp. *oligophylla*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. x *luerssenii*	0.1	1.4	0.1	1.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna notabilis			0.1	0.1	
Solanum phlomoides	0.1	0.2	0.1	0.2	
Sporobolus australasicus			0.1	0.2	JIN083.06W
Triodia wiseana	6.5	0.3	15	0.3	
Vincetoxicum lineare	0.1	0.1			JIN075.06



Phase 1



Phase 2

Jinidi F&V **Site JIN-084**

Date 16/09/2023 & 8/03/2024

Described by Kelby Jennings, Ryan Woodhouse & Emily Eakin Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

729532 mE; 7459498 mN

119.2386 E -22.956933 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type None Discernible (riverstone)

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Acacia pruinocarpa*, *Acacia aneura*, *Acacia catenulata* subsp. *occidentalis* tall open shrubland over *Acacia aneura*, *Acacia sibirica* mid sparse shrubland with *Triodia wiseana* low sparse hummock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon ? *otocarpum*			0.1	0.1	
Abutilon lepidum			0.1	0.2	
Acacia aneura	12	5	10	5	JIN084.04
Acacia aptaneura			0.1	2.5	
Acacia bivenosa	0.1	2.8	0.1	2.8	
Acacia catenulata subsp. *occidentalis*	2	4.5	3	4	JIN084.05
Acacia pruinocarpa	5	5	4	5	
Acacia sibirica	2	1	0.5	1	JIN084.02
Anthobolus leptomerioides	0.1	1.5	0.1	1.5	JIN084.09
Aristida contorta			0.1	0.2	JIN084.13w
Arivela viscosa			0.1	0.2	
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.2	
Chrysopogon fallax			0.1	0.3	
Corchorus tridens			0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eragrostis eriopoda	0.1	0.3	0.1	0.3	JIN084.10
Eriachne mucronata			0.1	0.2	JIN183.05w
Eucalyptus xerothermica	0.1	5	0.1	5	JIN084.09
Euphorbia drummondii			0.1	0.2	JIN084.14w
Euphorbia sp. indet (bi/tri)			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Iseilema membranaceum			0.1	0.1	
**Malvastrum americanum*			0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paspalidium clementii			0.5	0.2	JIN084.14w
Polygala glaucifolia			0.1	0.1	JIN084.12w
Psydrax suaveolens	0.1	1.7	0.1	1.7	JIN084.01
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*			0.1	0.2	
Senna artemisioides subsp. *helmsii*	0.1	2.3	0.1	2.3	
Senna notabilis			0.1	0.2	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)			0.1	0.1	JIN183.07w
Solanum ? *cleistogamum*			0.1	0.05	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Sporobolus australasicus			0.1	0.1	
Tribulus sp. Indet			0.1	0.1	
Triodia wiseana	7	0.4	7	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-085**

Date 17/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

728042 mE; 7458539 mN

119.2242 E -22.965795 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hardpan Plain

Vegetation *Acacia sibirica*, *Acacia aneura*, *Acacia pruinocarpa* tall shrubland over *Triodia vanleeuwenii*, *Triodia wiseana* low sparse hummock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet			0.1	0.1	JIN085.09W
Acacia aneura	10	3.5	10	3	JIN085.02
Acacia aptaneura	1	3.5			JIN088.05
Acacia bivenosa	1.5	4	1.5	4	
Acacia catenulata subsp. *occidentalis*			0.5	3	JIN085.11W
Acacia pruinocarpa	2	3	2	3	
Acacia sibirica	20	2.5	20	2.5	JIN085.01
Aristida contorta	0.1	0.2	0.1	0.2	
Aristida inaequiglumis	0.1	0.2	0.1	0.2	JIN085.03
Duperreya commixta			0.1	0.1	
Enneapogon polyphyllus			0.1	0.1	JIN083.09W
Eremophila latrobei subsp. *filiformis*	0.1	1.5	0.1	1.5	
Euphorbia trigonosperma			0.1	0.1	
Euploca inexplicita			0.1	0.1	JIN085.07W
Evolvulus alsinoides			0.1	0.1	JIN085.04
Hibiscus ?coatesii			0.2	0.1	JIN085.12W
Paspalidium clementii			0.1	0.1	JIN083.11W
Polygala glaucifolia			0.1	0.1	JIN085.08W
Psydrax suaveolens	0.1	0.5			JIN167.07
Ptilotus exaltatus			0.1	0.1	
Ptilotus rotundifolius	0.1	1	0.1	1	JIN085.10W
Senna artemisioides subsp. *helmsii*			0.1	0.5	
Senna glaucifolia	0.1	1.7	0.1	1.7	
Senna glutinosa subsp. x *luerssenii*	0.1	2	0.1	2	
Senna notabilis			0.1	0.1	
Triodia vanleeuwenii	2	0.2	2	0.2	
Triodia wiseana	6	0.4	6	0.4	JIN085.09W



Phase 1



Phase 2

Jinidi F&V **Site JIN-087**

Date 13/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Eva Karikis, Kaylin Geelhoed

Type Quadrat 50m x 50m

Location MGA Zone 50

731355 mE; 7459774 mN

119.2563 E -22.954193 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hardpan Plain

Vegetation *Acacia aptaneura*, *Acacia aneura*, *Acacia pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* mid sparse shrubland over *Triodia pungens* low isolated clumps of hummock grasses with *Eucalyptus xerothermica* low isolated mallee trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet	0.1	0.1	0.1	0.1	
Acacia aneura	10	4	10	4	JIN087.01
Acacia aptaneura	25	4	25	4	JIN088.05
Acacia catenulata subsp. *occidentalis*	0.1	1.5	0.1	1.5	JIN087.06W
Acacia citrinoviridis	0.1	1.5	0.1	1.5	JIN087.04
Acacia pruinocarpa	1.5	4	1.5	4	
Amyema fitzgeraldii	0.1	0.1			
Anthobolus leptomerioides	0.1	1.8	0.1	1.8	
Aristida contorta	0.1	0.1			
Aristida holathera var. *holathera*	0.1	0.2			
Aristida obscura	0.1	0.3	0.1	0.2	JIN087.02
Arivela viscosa			0.1	0.1	
**Bidens bipinnata*			0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Capparis lasiantha	0.1	1.6	0.1	1.6	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.2	0.1	
Chrysopogon fallax	0.1	0.2	0.2	0.4	
Dipteracanthus australasicus subsp. *australasicus*			0.1	0.1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon polyphyllus	0.1	0.1	0.5	0.2	
Eremophila forrestii subsp. *forrestii*	2	1.5	2	1.5	
Eremophila latrobei subsp. *filiformis*	0.1	1.2	0.1	1.2	
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eucalyptus xerothermica	0.5	5	0.5	5	JIN087.05
Eulalia aurea	0.1	0.2			
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	JIN088W.13
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Gomphrena canescens subsp. *canescens*			0.1	0.1	
Gomphrena cunninghamii			0.1	0.1	JIN87.8W
Hakea lorea subsp. *lorea*	0.1	5	0.1	4	
Hibiscus burtonii	0.1	0.8	0.1	0.5	
Maireana planifolia x *villosa*	0.1	0.4	0.1	0.4	JIN090.02
Paraneurachne muelleri			0.1	0.4	
Paspalidium rarum			3	0.3	JIN090.10W
Perotis rara			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Portulaca oleracea			0.1	0.1	JIN090.16w
Psydrax latifolia	0.1	2	0.1	2	
Psydrax rigidula	0.1	1.4	0.1	1.4	
Ptilotus helipteroides			0.1	0.1	JIN87.7W
Ptilotus obovatus var. *obovatus*	0.1	1.4	0.1	1	
Rhagodia eremaea	0.1	0.4	0.1	1	
Rhynchosia minima			0.1	0.1	
Senna notabilis			0.1	0.1	
Sida platycalyx			0.1	0.1	
Sida sp. L (A.M. Ashby 4202)	0.1	0.1			
Themeda triandra	0.1	0.6	0.1	0.3	
**Tribulus terrestris*			0.1	0.1	JIN184.07w
Triodia pungens	2	0.4	2	0.5	



Phase 1



Phase 2

Jinidi F&V **Site JIN-088**

Date 13/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Kaylin Geelhoed, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

731278 mE; 7458829 mN

119.2557 E -22.962730 S

Veg Condition Very Good

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Medium Drainage Line

Vegetation *Acacia pyrifolia* var. *pyrifolia*, *Grevillea wickhamii*, *Androcalva luteiflora* tall open shrubland over *Themeda triandra*, **Cenchrus ciliaris* mid open tussock grassland with *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low sparse shrubland with *Corymbia hamersleyana* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon lepidum	0.3	0.1	0.3	0.1	
Acacia aptaneura	0.1	2	0.1	2	JIN088.05
Acacia maitlandii	0.1	1.3	0.1	0.8	
Acacia pyrifolia var. *pyrifolia*	6	3	6	3	
Acacia tumida var. *pilbarensis*	1	2	1	2	
Acrachne racemosa			0.2	0.4	JIN088.11W
Afrohybanthus aurantiacus	0.1	0.5	0.1	0.5	
Alternanthera nana	0.1	0.2	0.1	0.2	JIN088.08W
Androcalva luteiflora	2.5	4	2.5	4	
Arivela viscosa			0.1	0.2	
Atalaya hemiglauca	0.1	2	0.2	2	
Boerhavia coccinea			0.1	0.1	
Bonamia erecta	0.1	0.2	0.1	0.2	
Capparis lasiantha	0.1	0.8	0.1	0.8	
**Cenchrus ciliaris*	10	0.5	10	0.5	
Chrysopogon fallax			0.1	0.3	
Corchorus crozophorifolius	0.1	1.3	0.1	1.4	
Corymbia hamersleyana	12	10	12	10	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	2	1.6	2	1.6	
Dipteracanthus australasicus subsp. *australasicus*			0.1	0.1	JIN088W.14
Dodonaea viscosa subsp. *mucronata*	0.1	1.7	0.1	1.7	JIN088.03
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.1	0.1	0.4	
Enneapogon lindleyanus	0.5	0.5	0.1	0.2	
Enneapogon polyphyllus	0.1	0.2	0.1	0.2	JIN088.04
Eremophila longifolia	0.5	1.8	0.5	1.8	
Eriachne ?tenuiculmis	0.1	0.3			
Eriachne mucronata	0.1	0.3	0.5	0.5	
Eriachne tenuiculmis			0.1	0.4	JIN088w.15
Eulalia aurea	0.1	0.5	0.1	0.5	
Euphorbia biconvexa			0.1	0.1	JIN184.06w
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	JIN088W.13
Evolvulus alsinoides var. *decumbens*	0.1	0.2	0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Gossypium robinsonii	0.1	5	0.1	5	
Grevillea wickhamii	2	4.5	2	4.5	
Indigofera georgei	0.1	0.5	0.1	0.5	JIN088.06
Isotropis iophyta	0.1	1.4	0.1	1.4	JIN088.02
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	JIN088W.12
Paraneurachne muelleri	0.1	0.6	0.1	0.3	
Paspalidium clementii			0.2	0.1	JIN088.10W
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.5	2.8	0.5	2.8	
Polymeria mollis			0.1	0.1	JIN-88.09W
Ptilotus astrolasius	0.1	0.5	0.1	0.5	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	1	0.1	0.4	
Senna artemisioides subsp. x *artemisioides*	0.1	1.2	0.1	1.2	
Sida echinocarpa	0.1	0.2	0.1	0.2	
Sida sp. L (A.M. Ashby 4202)	0.1	0.2			
Solanum lasiophyllum	0.1	0.6	0.1	0.6	JIN088.01
Stylobasium spathulatum	0.1	1.4	0.1	1.4	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	8	0.8	8	0.8	
Themeda triandra	15	0.8	15	0.8	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.2	
Triodia pungens	0.1	0.3	0.2	0.4	
Waltheria indica	0.1	0.4	0.1	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-089**

Date 13/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

730329 mE; 7458439 mN

119.2465 E -22.966384 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low sparse hummock grassland with *Hakea chordophylla*, *Corymbia deserticola* subsp. *deserticola* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*			0.1	0.2	
Acacia inaequilatera	0.1	1.5	0.1	1.5	JIN089.01
Acacia tenuissima	0.1	1.3	0.1	1	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Bonamia pilbarensis			0.1	0.1	
Corymbia deserticola subsp. *deserticola*	0.1	2.5	0.1	2.5	
Gompholobium oreophilum	0.1	0.2			
Goodenia stobbsiana	0.1	0.4	0.1	0.2	
Goodenia triodiophila			0.1	0.2	
Grevillea wickhamii	0.1	0.3	0.1	0.5	
Hakea chordophylla	0.5	4	0.5	4	
Indigofera monophylla	0.1	0.1	0.1	0.2	
Ptilotus calostachyus	0.1	0.8	0.1	0.2	
Ptilotus rotundifolius	0.1	1.1	0.1	1.2	
Scaevola parvifolia subsp. *pilbarae*	0.1	0.2	0.1	0.2	
Sida ?arenicola	0.1	1.4			
Solanum sp. Indet			0.1	0.1	JIN160.s01
Triodia vanleeuwenii	6	0.2	6	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-090**

Date 13/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

731266 mE; 7459049 mN

119.2556 E -22.960745 S

Veg Condition Very Good

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Themeda triandra*, *Enneapogon lindleyanus*, *Paraneurachne muelleri* mid open tussock grassland with *Acacia pruinocarpa* tall open shrubland over *Eremophila longifolia*, *Acacia pyrifolia* var. *pyrifolia* mid open shrubland over *Triodia pungens* low isolated clumps of hummock grasses with *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aneura	0.1	2	0.1	2	JIN090.04
Acacia aptaneura	0.1	0.3	0.1	0.3	JIN088.05
Acacia arida	0.1	0.8	0.1	0.8	
Acacia bivenosa	0.1	0.5	0.1	0.8	
Acacia pyrifolia var. *pyrifolia*	1.5	1.5	2	1.5	
Acacia tumida var. *pilbarensis*	0.1	1.5	0.1	1.5	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.3	
Alternanthera denticulata var. *denticulata*	0.1	0.2	0.1	0.2	JIN090.07
Androcalva luteiflora	0.1	1.4	0.1	1.5	
Aristida holathera var. *holathera*	0.1	0.2			
Arivela viscosa			0.2	0.2	
Boerhavia coccinea			0.1	0.1	
**Cenchrus ciliaris*	0.1	0.4	0.1	0.4	
Chrysopogon fallax	0.1	0.2	0.5	0.5	
Corchorus crozophorifolius	0.1	0.5	0.1	0.5	JIN090.01
Corchorus sidoides	0.1	0.1			
Corymbia hamersleyana	0.5	8	0.5	8	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	
Duperreya commixta	0.1	0.1	0.2	0.1	
Enneapogon lindleyanus	3	0.5	0.2	0.2	
Enneapogon polyphyllus	0.1	0.1	0.1	0.1	
Eremophila longifolia	2	1.6	2	1.6	
Eriachne mucronata	0.5	0.3	0.5	0.3	
Eucalyptus ?kingsmillii	0.1	8.5	0.1	8.5	JIN090.06
Eulalia aurea	2	0.3	2	0.3	
Euphorbia biconvexa			0.1	0.1	JIN184.06w
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	JIN088W.13
Euploca tenuifolia			0.1	0.1	JIN090.11W
Evolvulus alsinoides var. *decumbens*	0.1	0.2	0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Gomphrena canescens subsp. *canescens*			0.1	0.1	JIN090.14W
Goodenia nuda			0.1	0.1	JIN090.08W
Gossypium robinsonii	0.1	0.5	0.1	0.2	
Hakea lorea subsp. *lorea*	0.1	4	0.1	4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Hibiscus sturtii var. *platychlamys*	0.1	0.4	0.1	0.4	
Indigofera georgei	0.1	0.7	0.1	0.7	JIN088.06
Ipomoea muelleri			0.1	0.1	
Ipomoea polymorpha			0.1	0.1	JIN090.13W
Isotropis iophyta	0.1	0.8	0.8	0.1	JIN088.02
Jasminum didymum subsp. *lineare*	0.1	1	0.1	0.1	
Maireana planifolia x *villosa*	0.1	0.3	0.1	0.2	JIN090.02
Paraneurachne muelleri	2	0.3	2	0.4	
Paspalidium rarum			0.1	0.1	JIN090.10W
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.1	2	0.1	2	
Polymeria mollis			0.1	0.1	JIN90.15W
Portulaca oleracea			0.1	0.1	JIN090.16w
Ptilotus astrolasius	0.1	0.2	0.1	0.2	
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.5	
Senna artemisioides subsp. *oligophylla*	0.1	1	0.1	1	
Senna artemisioides subsp. x *artemisioides*	0.1	1.2	0.1	1.2	
Senna artemisioides subsp. x *sturtii*	0.1	0.8	0.1	8	JIN090.03
Senna glutinosa subsp. *glutinosa*	0.1	0.7	0.1	0.7	
Sida sp. L (A.M. Ashby 4202)	0.1	0.2			
Solanum lasiophyllum	0.1	0.5	0.1	0.5	JIN088.01
Sporobolus australasicus			0.1	0.1	
Stylobasium spathulatum	0.1	1	0.1	1.2	
Tephrosia sp. Newman (A.A. Mitchell PRP 29)			0.1	0.1	JIN090.07w
Themeda triandra	4	0.8	4	0.8	
Tribulus sp. Indet			0.1	0.1	JIN090.09W
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.2	
Triodia pungens	0.5	0.4	0.5	0.5	JIN090.04



Phase 1



Phase 2

Jinidi F&V **Site JIN-091**

Date 17/09/2023 & 13/03/2024

Described by Carmel Winton, April Slater & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

732532 mE; 7458355 mN

119.2680 E -22.966833 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF (basalt and ironstone)

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Hakea chordophylla* and *Acacia inaequilatera* (landscape) low isolated trees over *Ptilotus rotundifolius*, *Acacia bivenosa* mid isolated clumps of shrubs over *Acacia adoxa* var. *adoxa* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	1.5	0.3	1.5	0.3	
Acacia adsurgens	0.1	0.9	0.1	0.9	
Acacia bivenosa	0.5	1.1	0.5	1.5	
Acacia dictyophleba	0.1	0.4			
Acacia tenuissima	0.1	0.3	0.1	0.5	
Acacia tumida var. *pilbarensis*	0.1	5	0.1	5	JIN093.06
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4			
Corymbia hamersleyana	0.1	3	0.1	3.5	
Dampiera candicans	0.1	0.2			
Euploca sp. Indet	0.1	0.2			
Fimbristylis dichotoma	0.1	0.1	0.1	0.2	JIN108.01
Goodenia stobbsiana	0.1	0.2	0.1	0.2	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.5	2.2	0.5	2.5	
Hibiscus sturtii var. *campylochlamys*			0.1	0.3	JIN091.02W
Indigofera monophylla	0.1	0.1	0.1	0.2	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus rotundifolius	0.5	1.2	0.5	1.2	
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. *pruinosa*	0.1	0.5	0.1	0.8	
Senna glutinosa subsp. x *luerssenii*	0.1	1.3			
Sida arenicola	0.1	0.9	0.1	1.2	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)			0.1	0.3	JIN091.02W
Solanum lasiophyllum	0.1	0.3	0.1	0.4	
Tephrosia oxalidea	0.1	0.1			
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)			0.1	0.1	
Triodia vanleeuwenii	38	0.2	40	0.25	



Phase 1



Phase 2

Jinidi F&V **Site JIN-092**

Date 14/09/2023 & 13/03/2024

Described by Carmel Winton, April Slater & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

733555 mE; 7458956 mN

119.2779 E -22.961266 S

Veg Condition Excellent

Soil Clayey Sand

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Claypan

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia ayersiana*, *Acacia pruinocarpa* low woodland over *Eremophila forrestii* subsp. *forrestii*, *Anthobolus leptomerioides* mid sparse shrubland over *Aristida contorta*, *Enneapogon polyphyllus* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.1	JIN092.06W
Acacia ayersiana	8	5	8	5	
Acacia catenulata subsp. *occidentalis*	18	5	18	5	JIN092.05
Acacia colei	0.1	1			
Acacia pruinocarpa	6	6	6	6	
Anthobolus leptomerioides	1.5	1.4	1.5	1.4	
Aristida contorta	2	0.3	1	0.3	
Arivela viscosa			0.1	0.1	
**Bidens bipinnata*	0.1	0.2	0.1	0.5	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	JIN092.07W
Chrysopogon fallax			0.1	0.1	
Cucumis variabilis			0.1	0.1	
Digitaria brownie	0.1	0.4			JIN092.02
Digitaria ctenantha			0.1	0.1	
Duperreya commixta			0.1	0.1	
Enneapogon caerulescens			0.1	0.1	
Enneapogon polyphyllus	0.5	0.2	4	0.2	
Eragrostis eriopoda	0.1	0.4	0.1	0.4	JIN092.01
Eremophila forrestii subsp. *forrestii*	1.5	1	1.5	1	
Eriachne mucronate	0.5	0.5	2	0.5	JIN092.10W
Eriachne pulchella			0.1	0.1	
Euphorbia drummondii			0.1	0.1	JIN092.09W
Euphorbia sp. indet (bi/tri)			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Hibiscus burtonii	0.1	0.4	0.1	0.4	
Paspalidium clementii			0.1	0.1	JIN269.01W
Polygala glaucifolia			0.1	0.1	JIN089.08W
Psydrax suaveolens	0.1	1.7	0.1	1.7	
Ptilotus exaltatus			0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	1.8	0.1	1.8	
Senna notabilis			0.1	0.1	
Solanum lasiophyllum	0.1	0.3	0.1	0.2	
Tribulus astrocarpus			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	0.1	0.2	0.1	0.2	JIN092.06W



Phase 1



Phase 2

Jinidi F&V **Site JIN-093**

Date 14/09/2023 & 8/03/2024

Described by Carmel Winton, April Slater & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 100m x 25m

Location MGA Zone 50

732661 mE; 7459110 mN

119.2691 E -22.960005 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type Dolerite (basalt, ironstone)

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Petalostylis labicheoides*, *Acacia pyrifolia* var. *pyrifolia*, *Eremophila longifolia* tall shrubland over *Isotropis iophyta* mid sparse shrubland over *Themeda triandra, Eulalia simonii, Chrysopogon fallax, Eulalia aurea* mid tussock grassland with *Eucalyptus xerothermica* mid to low isolated clumps of trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon macrum	0.1	0.8	0.1	0.8	JIN093.03
Abutilon sp. Indet	0.1	0.1			
Acacia adsurgens	0.1	1.8	0.1	1.8	JIN093.10
Acacia aptaneura	1	2	1	2	JIN093.04
Acacia bivenosa	0.1	2	0.1	2	
Acacia citrinoviridis	3	3	1	3	
Acacia cowleana	0.5	2.5	0.5	2.5	JIN093.09
Acacia dictyophleba	0.1	1.4	0.1	2	
Acacia pyrifolia var. *pyrifolia*	8	3	8	3.2	
Acacia tumida var. *pilbarensis*	10	3	0.5	3	JIN093.06
Acrachne racemosa			0.1	0.4	
Alternanthera nana			0.1	0.2	
Alternanthera nodiflora	0.1	0.4			
Amyema sanguinea var. *pulchra*	0.1	0.1	0.1	0.1	JIN093.11
Androcalva luteiflora	0.1	1.5	0.1	1.5	
Aristida contorta	0.1	0.2			
Aristida holathera var. *holathera*			0.1	0.3	
Arivela viscosa			0.1	0.1	
**Bidens bipinnata*			0.1	0.3	
Boerhavia coccinea			0.1	0.1	
Bothriochloa ewartiana			0.5	0.3	JIN183.04w
Capparis lasiantha	0.1	0.5	0.1	0.5	
Chrysopogon fallax			2	0.3	
Corchorus tridens			0.1	0.1	
Cucumis variabilis	0.1	0.1	0.1	0.1	
Cymbopogon ambiguus			0.1	0.4	
Digitaria brownie	4	0.2	0.1	0.2	JIN093.01
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.2	0.1	0.2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.4	0.1	0.4	
Eremophila longifolia	4	3.5	1	2	JIN093.05
Eriachne mucronata	0.1	0.4	0.1	0.3	
Eucalyptus xerothermica	6	7	6	8	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eulalia aurea	13	2	2	0.5	
Eulalia simonii			2	0.3	JIN183.06w
Euphorbia australis			0.1	0.1	
Euphorbia biconvexa	0.1	0.2	0.1	0.2	
Evolvulus alsinoides var. *decumbens*	0.1	0.2	0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Goodenia stellata			0.1	0.1	JIN183.03w
Goodenia triodiophila			0.1	0.2	
Gossypium robinsonii	0.1	2	0.1	2	
Gossypium sturtianum var. *sturtianum*	0.1	1.4	0.1	1.5	
Hakea lorea subsp. *lorea*	0.1	1.8	0.1	1.8	
Indigofera georgei			0.1	0.4	
Isotropis iophyta	3	1.9	0.1	1.5	JIN093.08
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	
Maireana georgei			0.1	0.2	
**Malvastrum americanum*			0.1	0.1	
Nellica maderaspatensis			0.1	0.3	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paraneurachne muelleri			0.1	0.3	
Paspalidium rarum			0.1	0.2	JIN093.13w
Perotis rara			0.1	0.1	
Petalostylis labicheoides	26	3	25	3	
Polymeria ambigua			0.1	0.1	
Pterocaulon sphacelatum	0.1	0.4	0.1	0.4	
Ptilotus obovatus var. *obovatus*	1	0.7	0.1	0.3	
Rhynchosia minima	0.1	0.1	0.1	0.1	
Setaria surgens			0.1	0.2	
**Setaria verticillata*			0.1	0.2	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)			0.1	0.2	JIN183.07w
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.5	0.5	0.1	0.3	JIN093.12
Themeda triandra	38	0.5	5	0.4	JIN093.02
Tribulus sp. Indet			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	0.1	0.2	0.1	0.2	
Urochloa distachyos			0.1	0.3	JIN093.14w
Waltheria indica	0.1	0.7	0.1	0.6	JIN093.03



Phase 1



Phase 2

Jinidi F&V **Site JIN-094**



Date 13/09/2023

Described by Sam Coultas, Sammy Alatas

Type Quadrat 50m x 50m

Location MGA Zone 50

732477 mE; 7459895 mN

119.2672 E -22.952941 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Footslope

Vegetation *Triodia vanleeuwenii*, *Triodia pungens* low hummock grassland with *Eucalyptus gamophylla* low open mallee woodland over *Acacia ancistrocarpa* tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ancistrocarpa	1	0.6			
Acacia bivenosa	0.1	0.3			
Acacia inaequilatera	0.1	1			
Acacia pachyacra	0.1	1.6			
Acacia pruinocarpa	0.1	0.4			
Acacia tenuissima	0.1	0.1			
Amphipogon sericeus	0.1	0.2			
Aristida contorta	0.1	0.2			
Bonamia erecta	0.1	0.4			
Dicrastylis cordifolia	0.1	0.3			
Eragrostis eriopoda	0.1	0.3			
Eriachne mucronata	0.1	0.4			
Eucalyptus gamophylla	2.3	2.5			
Gompholobium oreophilum	0.1	0.2			
Indigofera monophylla	0.1	0.3			
Paraneurachne muelleri	0.1	0.3			
Ptilotus calostachyus	0.1	0.5			
Senna artemisioides subsp. *oligophylla*	0.1	0.5			
Senna glutinosa subsp. *glutinosa*	0.1	1.2			
Senna glutinosa subsp. x *luerssenii*	0.1	0.8			
Sida ?arenicola	0.1	0.6			
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.5			
Triodia pungens	2	0.3			
Triodia vanleeuwenii	32	0.2			

Jinidi F&V **Site JIN-095**

Date 14/09/2023 & 13/03/2024

Described by Carmel Winton, April Slater & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

733224 mE; 7459518 mN

119.2746 E -22.956238 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF (ironstone)

Fire Age Moderate (3 to 5 yr)

Habitat Stony Plain

Vegetation *Triodia pungens* low open hummock grassland with *Acacia pruinocarpa*, *Acacia aneura*, *Acacia dictyophleba* mid to low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aneura	1	1.9	0.5	1.8	
Acacia bivenosa			0.1	0.5	
Acacia dictyophleba	1.5	0.6	1	0.6	
Acacia inaequilatera			0.1	1.7	
Acacia pruinocarpa	6	1.2	4	1.8	
Acacia pyrifolia var. *pyrifolia*	0.1	1.7			
Aristida contorta			0.1	0.3	JIN095.07w
Aristida inaequiglumis	0.1	0.8			JIN095.02
Arivela viscosa			0.1	0.3	
Boerhavia coccinea			0.1	0.1	
Bonamia erecta	0.1	0.2	0.1	0.2	
Digitaria brownii	0.1	0.5	0.1	0.4	JIN092.04
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon polyphyllus	0.1	0.2	0.1	0.2	
Eucalyptus gamophylla	0.5	2.1	0.1	2	
Euphorbia australis var. *hispidula*			0.1	0.1	JIN095.04w
Evolvulus alsinoides var. *villosicalyx*	0.1	0.2			
Hibiscus sturtii	0.1	0.4	0.1	0.3	
Panicum australiense var. *australiense*			0.1	0.1	JIN095.08w
Paraneurachne muelleri	0.1	0.4			
Paspalidium clementii			0.1	0.3	JIN095.09w
Petalostylis labicheoides	0.1	1.9			
Ptilotus calostachyus	0.1	0.6	0.1	0.5	
Ptilotus exaltatus	0.1	0.2	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.4	
Ptilotus sp. Indet			0.1	0.2	JIN095.10W
Senna artemisioides subsp. *oligophylla*	0.1	0.5	0.1	0.5	
Senna glutinosa subsp. *glutinosa*			0.1	1.8	
Senna glutinosa subsp. *pruinosa*			0.1	0.5	
Senna notabilis			0.1	0.1	
Sida ?cardiophylla	0.5	0.6	0.1	0.6	
Solanum cleistogamum	0.1	0.4			
Solanum lasiophyllum	0.1	1	0.1	1	
Stylobasium spathulatum	0.1	1.6			
Triodia pungens	16	0.5	15	0.5	JIN095.01



Phase 1



Phase 2

Jinidi F&V **Site JIN-096**

Date 14/09/2023 & 23/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

735718 mE; 7458000 mN

119.2991 E -22.969596 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Breakaway

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia aptaneura*, *Acacia pruinocarpa* tall shrubland over *Triodia pungens* isolated clumps of hummock grasses with *Senna stricta* low isolated shrubs over *Perotis rara*, *Enneapogon polyphyllus* sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3			
Acacia aneura			0.1	6	JIN96.13w
Acacia aptaneura	8	6.5	9	6.5	JIN087.01
Acacia ayersiana	1	4.5	1	4.5	JIN096.06
Acacia bivenosa	0.1	1.4	0.1	1	
Acacia catenulata subsp. *occidentalis*	4	4.5	12	6	JIN098.23W
Acacia pruinocarpa	1	6.5	1	6.5	
Amphipogon sericeus	0.1	0.2			
Aristida contorta			0.1	0.1	JIN096.21W
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.1	0.1	JIN096.19W
Bulbostylis barbata			0.4	0.1	JIN096.15W
Cheilanthes brownie	0.1	0.1	0.1	0.1	JIN096.01
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.1	0.1	0.1	JIN099.08
Cucumis variabilis			0.1	0.1	
Enneapogon caerulescens	0.1	0.3			
Enneapogon polyphyllus	0.1	0.1	0.5	0.1	
Eragrostis eriopoda	0.1	0.2			JIN096.07
Eremophila latrobei subsp. *filiformis*	0.1	1.7	0.1	1.7	
Eremophila latrobei subsp. *latrobei*	0.1	1.3	0.1	1.3	JIN096.11
Eremophila platycalyx subsp. *pardalota*	0.1	3	0.1	3	JIN096.04
Eriachne mucronata	0.1	0.1	0.1	0.1	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	0.3	0.1	0.8	
Euphorbia drummondii			0.1	0.1	JIN96.22
Evolvulus alsinoides var. *decumbens*			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Gomphrena cunninghamii	0.1	0.1			
Goodenia stobbsiana	0.1	0.2			
Grevillea berryana	0.1	4	0.1	4	
Hibiscus burtonii	0.1	0.3			
Hibiscus sturtii var. *platychlamys*	0.1	0.3	0.1	0.3	
Indigofera monophylla	0.1	0.2			
Lepidium catapycnon (P4)	0.1	0.2			JIN096.10
Paspalidium clementii			0.1	0.1	JIN096.18W
Perotis rara			2	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Polygala glaucifolia			0.1	0.1	JIN096.16W
Psydrax suaveolens	0.1	1.7	0.1	1.7	
Ptilotus astrolasius	0.1	0.2			
Ptilotus calostachyus	0.1	0.3			
Ptilotus exaltatus			0.1	0.1	
Ptilotus polystachyus			0.1	0.1	JIN096.20W
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	0.6	0.1	0.6	
Senna artemisioides subsp. *oligophylla*			0.1	0.1	
Senna glaucifolia			0.1	0.5	JIN96.04W
Senna glutinosa subsp. x *luerssenii*	0.1	1.3	0.1	1.3	
Senna notabilis	0.1	0.1	0.1	0.1	
Senna sp. Meekatharra (E. Bailey 1-26)	0.5	0.6	0.5	0.6	JIN096.08
Senna stricta	0.5	1.6	0.1	1.6	JIN096.03
Sida arenicola	0.1	1.4			
Solanum lasiophyllum	0.1	0.3	0.1	0.3	JIN088.01
Triodia brizoides	0.1	0.2	0.1	0.2	JIN096.02
Triodia pungens	1	0.4	1	4	
Triodia wiseana	0.1	0.4	0.1	0.4	JIN096.09



Phase 1



Phase 2

Jinidi F&V **Site JIN-099**

Date 14/09/2023 & 23/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

735999 mE; 7457259 mN

119.3020 E -22.976244 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides* tall shrubland over *Androcalva luteiflora* mid sparse shrubland over *Themeda triandra* mid open tussock grassland with *Corymbia hamersleyana* low isolated.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon fraseri subsp. *fraseri*			0.1	0.1	JIN099.10W
Acacia maitlandii	0.1	2	0.1	2	
Acacia monticola	0.1	1.5	0.1	1.5	
Acacia pyrifolia var. *pyrifolia*	0.1	1.2	0.1	1.2	
Acacia spondylophylla	0.1	0.3	0.1	0.4	
Acacia tumida var. *pilbarensis*	45	5	45	3	
Afrohybanthus aurantiacus	0.1	0.4	0.1	0.4	
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Androcalva luteiflora	0.1	1.8	0.5	1.8	
Aristida holathera var. *holathera*	0.1	0.2			
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	JIN099.08
Corymbia hamersleyana	2.5	6.5	2.5	6.5	
Dodonaea lanceolata var. *lanceolata*	0.1	1.5	0.1	1.5	JIN099.01
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne mucronata	0.1	0.3	0.1	0.3	JIN099.03
Eucalyptus leucophloia subsp. *leucophloia*	0.1	2	0.1	2	
Eulalia aurea	0.1	0.4	0.1	0.4	
Euphorbia trigonosperma			0.1	0.2	JIN099.11W
Gossypium robinsonii	0.1	3	0.1	3	
Grevillea wickhamii	0.1	1.5	0.1	1.5	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	1.2	0.1	1.2	JIN099.02
Indigofera georgei	0.1	0.1	0.1	0.1	JIN099.04
Indigofera monophylla	0.1	0.3	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Petalostylis labicheoides	2	3	2	3	
Ptilotus calostachyus			0.1	0.1	
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	
Santalum lanceolatum	0.1	1.5	0.1	1.5	
Senna artemisioides subsp. *oligophylla*	0.1	0.5	0.1	0.5	
Senna artemisioides subsp. x *artemisioides*	0.1	0.8	0.1	0.8	
Senna ferraria	0.1	1.7	0.1	1.7	JIN099.05
Senna glutinosa subsp. *glutinosa*	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. *pruinosa*	0.1	1.6	0.1	1.6	
Sida sp. L (A.M. Ashby 4202)	0.1	0.1			
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.6	0.1	1.6	
Solanum lasiophyllum	0.1	0.3	0.1	0.3	JIN088.01

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Tephrosia densa	0.1	1	0.1	1	JIN099.09
Tephrosia virens	0.1	1.7	0.1	1.7	JIN099.06
Themeda triandra	3	0.5	7	0.5	
Triodia pungens	0.1	0.4	0.1	0.4	JIN099.10W



Phase 1



Phase 2

Jinidi F&V **Site JIN-100**

Date 30/10/2023 & 23/03/2024

Described by Sam Coultas & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

735601 mE; 7458766 mN

119.2979 E -22.962693 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Acacia arida* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia deserticola* subsp. *deserticola*, *Hakea chordophylla* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia arida			0.1	0.5	
Acacia hilliana			0.5	0.2	
Acacia pruinocarpa	0.1	1	0.1	1	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.3	
Amphipogon sericeus	1	0.3	0.1	0.2	
Corchorus lasiocarpus	0.1	0.4			
Corymbia deserticola subsp. *deserticola*	0.1	2	0.1	2.1	
Eriachne lanata	0.1	0.3	0.1	0.3	
Eriachne pulchella			0.1	0.05	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	5.5	0.5	5.5	
Fimbristylis simulans			0.1	0.1	JIN135.03w
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia stobbsiana	0.1	0.3	0.1	0.3	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.5	3.5	0.5	3.5	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Ptilotus calostachyus	0.1	0.6	0.1	0.6	
Ptilotus exaltatus	0.1	0.1			
Schizachyrium fragile			0.1	0.1	JIN160.01w
Senna glutinosa subsp. *glutinosa*	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. *pruinosa*	0.1	0.7	0.1	0.9	
Sida ?arenicola	0.1	0.4			
Triodia vanleeuwenii	32	0.2	32	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-101**

Date 17/09/2023 & 8/03/2024

Described by Carmel Winton, April Slater & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

733201 mE; 7457460 mN

119.2746 E -22.974817 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Moderate (3 to 5 yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Acacia arida* low sparse shrubland with *Hakea chordophylla* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3			
Acacia adsurgens	0.1	0.3	0.1	0.3	
Acacia arida	4	0.5	4	0.5	
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Bonamia erecta	0.1	0.5	0.1	0.5	JIN101.02
Fimbristylis simulans			0.1	0.1	JIN101.3w
Gompholobium oreophilum	0.1	0.3			
Goodenia triodiophila	0.1	0.2			
Hakea chordophylla	0.5	2	0.5	2	
Indigofera monophylla	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.5			
Scaevola browniana subsp. *browniana*	0.1	0.3	0.1	0.3	
Sida arenicola	0.1	1.1	0.1	1.1	JIN101.04w
Triodia pungens	0.1	0.5	0.1	0.5	JIN101.01
Triodia vanleeuwenii	37	0.3	37	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-102**

Date 30/10/2023 & 9/03/2024

Described by Ryan Woodhouse, Eva Karikis & Eva Karikis, Kaylin Geelhoed

Type Quadrat 100m x 25m

Location MGA Zone 50

733931 mE; 7456102 mN

119.2820 E -22.986972 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Gossypium robinsonii*, *Grevillea wickhamii*, *Petalostylis labicheoides* tall open shrubland over *Triodia pungens* low sparse hummock grassland with *Acacia monticola*, *Santalum lanceolatum* mid isolated shrubs with *Corymbia ferriticola* low isolated trees over *Themeda triandra* low isolated tussock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	0.2			JIN102.08
Acacia arida	0.1	0.4	0.1	0.6	
Acacia hamersleyensis	0.2	1.2	0.1	1	JIN102.06
Acacia maitlandii	0.1	1.2	0.1	1.2	
Acacia monticola	0.5	3	1	3	
Acacia pruinocarpa	0.1	1.2	0.1	1.2	
Acacia pyrifolia var. *pyrifolia*	0.1	1.5	0.1	1.2	
Acacia spondylophylla	0.1	0.6	0.1	0.6	
Androcalva luteiflora	1	2.5	0.5	2.5	
Aristida holathera var. *holathera*	0.1	0.3			
Bulbostylis barbata	0.1	0.1	0.1	0.1	
Capparis lasiantha	0.1	1	0.1	1	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.1	
Clerodendrum floribundum var. *angustifolium*			0.1	0.3	
Corchorus sp. Indet	0.1	0.6			JIN102.05
Corymbia ferriticola	0.1	3.5	0.5	4.5	JIN102.01
Corymbia hamersleyana	0.1	4	0.1	4	JIN102.07
Cymbopogon ambiguus	0.2	0.5	0.1	0.5	
Cyperus cunninghamii subsp. *cunninghamii*	0.1	0.2	0.1	0.2	JIN102.04
Dodonaea pachyneura	0.1	1.2	0.1	1	JIN102.03
Duperreya commixta	0.1	0.1	0.1	0.1	
Eragrostis cumingii			0.1	0.3	JIN102.13w
Eriachne mucronata	0.1	0.4	0.1	0.4	
Eucalyptus leucophloia subsp. *leucophloia*	0.2	4.5	0.2	4.5	
Euphorbia trigonosperma			0.1	0.3	JIN102.14w
Ficus brachypoda	0.1	4.5	0.1	4.5	
Fimbristylis dichotoma			0.1	0.3	JIN102.12w
Gompholobium oreophilum	0.1	0.4	0.1	0.4	
Gossypium robinsonii	2	4	1	4	
Grevillea wickhamii	2	4	2	4	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.6	1	0.6	JIN102.09w
Paspalidium rarum			0.1	0.1	JIN090.10W
Petalostylis labicheoides	1	3	1	3	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.3	
Santalum lanceolatum	0.1	2.5	0.5	2.5	
Sida ? sp. Articulation below (A.A. Mitchell PRP 1605)			0.1	0.6	JIN102.10w
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.2	0.5	0.1	0.5	
Solanum horridum	0.1	0.2	0.1	0.2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Solanum lasiophyllum	0.1	0.3	0.1	0.3	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.4			
Themeda triandra	1	0.5	1	0.5	
Triodia pungens	5	0.4	5	0.4	JIN102.08



Phase 1



Phase 2

Jinidi F&V **Site JIN-103**

Date 14/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

734448 mE; 7457830 mN

119.2868 E -22.971308 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Senna sericea* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ? *sibirica*	0.1	0.3			
Acacia bivenosa	0.1	0.5	0.1	0.5	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Aristida contorta	0.1	0.1	0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	2	8	2	8	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.3	0.1	0.3	
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.8	0.8	0.1	
Ptilotus rotundifolius	0.1	0.6	0.1	0.6	
Senna artemisioides subsp. *helmsii*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.6	0.1	1.6	
Senna glutinosa subsp. *pruinosa*	0.1	1	0.1	1	
Senna glutinosa subsp. x *luerssenii*	0.1	0.8	0.1	0.8	
Senna sericea	0.5	0.7	0.5	0.7	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.1	
Triodia pungens	0.1	0.2	0.1	0.4	
Triodia vanleeuwenii	15	0.2	15	0.2	
Triodia wiseana	4	0.2	4	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-104**

Date 30/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

734919 mE; 7455293 mN

119.2917 E -22.994137 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees over *Hakea chordophylla* tall isolated shrubs over *Acacia arida* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. adoxa	0.1	0.2	2	0.2	
Acacia arida	1.5	0.8	1.5	0.8	
Acacia hilliana	0.1	0.1	0.1	0.1	
Acacia spondylophylla	0.1	0.3	0.5	0.7	JIN146.03
Amphipogon sericeus	0.1	0.2			
Aristida contorta			0.1	0.1	JIN104.02W
Corchorus lasiocarpus subsp. parvus	0.1	0.5	0.1	0.5	
Corymbia hamersleyana	1	4.5	1	4.5	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eremophila latrobei subsp. filiformis	0.1	0.6	0.1	0.6	JIN163.01
Eriachne pulchella subsp. pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. leucophloia	0.5	4	0.5	5	
Fimbristylis dichotoma	0.1	0.1	0.2	0.1	
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia triodiophila	0.1	0.1	0.1	0.2	
Grevillea wickhamii subsp. aprica	0.1	1.7	0.1	2	
Hakea chordophylla	0.2	2.5	0.2	2.5	
Hakea lorea subsp. lorea	0.1	1.5	0.1	1.5	
Indigofera monophylla	0.1	0.1	0.1	0.2	
Jasminum didymum subsp. lineare	0.1	0.6	0.1	1	
Ptilotus calostachyus	0.1	0.6			
Scaevola browniana subsp. browniana	0.1	0.3	0.2	0.3	
Senna artemisioides subsp. oligophylla	0.1	1.3			JIN146.01
Senna ferraria	0.1	1.3	0.1	1.6	JIN104.04W
Senna glutinosa subsp. glutinosa	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. pruinosa	0.1	0.8	1	0.8	
Sida arenicola	0.1	1	0.1	0.5	
Tephrosia sp. Newman (A.A. Mitchell PRP 29)	0.1	0.1	0.1	0.1	JIN104.01W
Triodia vanleeuwenii	16	0.2	30	0.2	
Triodia wiseana	0.1	0.3	2	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-106**



Date	17/09/2023
Described by	Carmel Winton, April Slater
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	733546 mE; 7455749 mN
	119.2783 E -22.990215 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	BIF (basalt, dolerite and ironstone)
Fire Age	Moderate (3 to 5 yr)
Habitat	Minor Drainage Line
Vegetation	*Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* tall open shrubland over *Themeda triandra*, *Eriachne mucronata* low sparse tussock grassland with *Triodia pungens* low sparse hummock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	0.5			JIN093.10
Acacia hamersleyensis	0.1	0.8			
Acacia pyrifolia var. *pyrifolia*	0.1	0.6			
Acacia tumida var. *pilbarensis*	42	2.5			
Androcalva luteiflora	0.1	1.4			
Aristida sp. Indet	0.1	0.2			
Arivela viscosa	0.1	0.1			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.1			
Corymbia hamersleyana	0.1	1.5			
Cymbopogon ambiguous	1	1.6			JIN078.02
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.1			
Eriachne lanata	0.1	0.4			
Eriachne mucronate	2	0.5			
Gomphrena cunninghamii	0.1	0.1			
Gossypium robinsonii	0.1	2.1			
Grevillea wickhamii	0.5	2.4			
Indigofera gilesii (P3)	0.1	0.2			
Indigofera monophyla	0.1	0.3			
Paraneurachne muelleri	0.1	0.3			
Petalostylis labicheoides	0.1	2.3			
Senna ferraria	0.1	0.4			JIN108.02
Senna glutinosa subsp. *glutinosa*	0.1	0.9			
Sida sp. Indet	0.1	0.2			
Themeda triandra	5	0.5			
Triodia pungens	6	0.5			JIN093.10

Jinidi F&V **Site JIN-107**

Date 30/10/2023 & 9/03/2024

Described by Sam Coultas & Eva Karikis, Kaylin Geelhoed

Type Quadrat 100m x 25m

Location MGA Zone 50

734221 mE; 7454877 mN

119.2850 E -22.997989 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii*, *Petalostylis labicheoides* tall open shrubland over *Themeda* sp. Mt Barricade (M.E. Trudgen 2471), *Eriachne mucronata* low sparse tussock grassland with *Corymbia ferriticola*, *Ficus brachypoda* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia hamersleyensis	0.5	3	0.1	3	
Acacia maitlandii	0.1	2.4	0.1	0.4	
Acacia tumida var. *pilbarensis*	15	3.5	15	3.5	
Androcalva luteiflora	0.1	1.4	0.1	2	
Clerodendrum floribundum var. *angustifolium*	0.1	1	1	0.1	
Corchorus lasiocarpus	0.1	0.7	0.1	0.5	
Corymbia ferriticola	2	5	2	5	
Cymbopogon ambiguous	0.1	0.6	0.1	0.4	
Dodonaea pachyneura	0.1	1.2	0.1	1.2	
Dodonaea viscosa subsp. *mucronata*	0.5	1.6			
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne lanata	0.1	0.4			
Eriachne mucronate	6	0.3	6	0.3	
Euphorbia tannensis subsp. *eremophila*			0.1	0.2	JIN088W.13
Ficus brachypoda	2	4.5	2	4.5	
Gompholobium oreophilum	0.1	0.4	0.1	0.5	
Gossypium robinsonii	0.1	2	0.1	0.5	
Grevillea wickhamii	4	3.2	4	3	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.4	0.1	0.5	
Jasminum didymum subsp. *lineare*	0.1	0.6	0.1	0.6	
Newcastelia clavipetala	0.1	0.5			JIN107.02
Paraneurachne muelleri	0.1	0.4			
Paspalidium constrictum	0.1	0.3			
Petalostylis labicheoides	2	2.8	2	2.5	
Prostanthera albiflora	0.1	0.5			
Ptilotus obovatus var. *obovatus*	0.1	0.4			
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1	
Senna venusta	0.1	1.4	0.1	0.4	
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	1.2	0.1	1.2	JIN107.01
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2			
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	2	0.6	2	0.6	
Triodia pungens	2	0.4	2	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-108**

Date 17/09/2023 & 9/03/2024

Described by Carmel Winton, April Slater & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

736337 mE; 7456234 mN

119.3054 E -22.985444 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF (basalt)

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low open hummock grassland with *Acacia hilliana*, *Eremophila exilifolia*, *Acacia adoxa* var. *adoxa* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	1	0.2	1	0.3	
Acacia arida	0.1	0.3	0.1	0.4	
Acacia hilliana	6	0.2	6	0.3	
Acacia maitlandii	0.1	1.1	0.1	1.6	
Amphipogon sericeus	2	0.2			
Clerodendrum tomentosum var. *lanceolatum*			0.1	0.3	JIN108.04w
Corchorus lasiocarpus	0.1	0.5	0.1	0.5	
Eremophila exilifolia	1.5	0.3	0.5	0.5	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4	0.5	4	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	JIN108.01
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia stobbsiana	0.1	0.3	0.1	0.1	
Goodenia triodiophila	0.1	0.2	0.1	0.3	
Hakea chordophylla	0.1	1.6	0.1	1.6	
Hibiscus sturtii var. *campylochlamys*			0.1	0.4	JIN108.03w
Indigofera monophylla	0.1	0.4	0.1	0.4	
Ptilotus calostachyus	0.1	0.5	0.1	0.2	
Ptilotus exaltatus	0.1	0.1			
Ptilotus sp. Indet	0.1	0.2			
Senna ferraria	0.1	1.5	0.1	1.5	JIN108.02
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. *pruinosa*	0.1	1.4	0.1	1.2	
Triodia vanleeuwenii	18	0.3	28	0.3	
Triodia wiseana	1	0.4			



Phase 1



Phase 2

Jinidi F&V **Site JIN-109**

Date 30/10/2023 & 9/03/2024

Described by Emma Marsh, Grace Taylor & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

735676 mE; 7454275 mN

119.2993 E -23.003219 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low open hummock grassland with *Acacia spondylophylla*, *Acacia arida*, *Acacia hilliana* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	1	0.4	1	0.4	
Acacia bivenosa	0.1	0.3	0.1	0.3	
Acacia hilliana	0.5	0.2	0.5	0.2	
Acacia maitlandii	0.1	1.3	0.1	1.3	
Acacia monticola	0.1	1.6	0.1	1.6	
Acacia spondylophylla	6	0.4	6	0.2	JIN146.03
Amphipogon sericeus	0.1	0.3			
Bonamia pilbarensis			0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.5	
Corymbia hamersleyana	0.5	4	0.5	4	
Dampiera candicans	0.1	0.3	0.1	0.3	
Dodonaea coriacea	0.1	0.3	0.1	0.3	
Eremophila latrobei subsp. *filiformis*	0.1	1.1	0.1	1.1	JIN163.01
Eriachne lanata	0.1	0.3	0.1	0.3	
Eriachne mucronate	0.1	0.3	0.1	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	3.2	0.5	4	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia triodiophila	0.1	0.1			
Gossypium robinsonii	0.1	1.6			
Grevillea wickhamii	0.1	0.3	0.1	0.4	
Indigofera monophyla			0.1	0.2	
Mirbelia viminalis	0.2	0.5	0.2	0.5	
Ptilotus calostachyus	0.1	0.4			
Senna ferraria	0.1	0.5	0.2	2.2	JIN109.01w
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.4	
Senna glutinosa subsp. *pruinosa*	0.1	0.6	0.1	0.6	
Sida arenicola	0.1	1	0.1	1	
Triodia pungens	0.1	0.4	2	0.4	
Triodia vanleeuwenii	15	0.2	20	0.2	
Triodia wiseana	10	0.3	10	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-110**

Date 30/10/2023 & 9/03/2024

Described by Ryan Woodhouse, Eva Karikis & Emily Eakin Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

736151 mE; 7452669 mN

119.3041 E -23.017653 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia deserticola* subsp. *deserticola*, *Hakea chordophylla* (landscape) low open woodland over *Acacia hilliana*, *Acacia adoxa* var. *adoxa* low isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia adsuraens	0.1	0.6	0.1	0.6	JIN110.03
Acacia hilliana	0.1	0.2	0.1	0.1	
Acacia tenuissima	0.1	0.6	0.1	1	JIN110.02
Amyema sanguinea var. *pulchra*	0.1	0.1	0.1	0.1	JIN110.04
Bulbostylis barbata	0.1	0.1	0.1	0.1	
Corymbia deserticola subsp. *deserticola*	0.2	3	0.1	2	
Eriachne benthamii	0.1	0.2			
Eriachne pulchella			0.1	0.05	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	6	0.25	5.5	
Gompholobium oreophilum	0.1	0.5	0.1	0.3	
Goodenia stobbsiana	0.1	0.3			
Goodenia triodiophila	0.1	0.1	0.1	0.2	JIN110.05w
Hakea chordophylla	0.1	1	0.1	1	
Indigofera monophyla	0.1	0.3	0.1	0.2	
Jasminum didymum subsp. *lineare*	0.1	0.4	0.1	0.1	
Ptilotus calostachyus	0.1	0.3			
Santalum lanceolatum	0.1	2	0.1	2	
Scaevola browniana subsp. *browniana*	0.1	0.5	0.1	0.2	JIN112.01
Senna ?ferraria	0.1	0.5	0.1	1	JIN112.3
Sida ?arenicola	0.1	0.4	0.1	0.4	JIN110.01
Triodia pungens	0.1	0.3	0.1	0.3	
Triodia vanleeuwenii	40	0.2	35	0.25	
Triodia wiseana	0.2	0.3	0.1	0.3	


Phase 1


Phase 2

Jinidi F&V **Site JIN-111**

Date 30/10/2023 & 9/03/2024

Described by Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 100m x 25m

Location MGA Zone 50

733077 mE; 7453733 mN

119.2740 E -23.008481 S

Veg Condition Excellent

Soil Clayey Sand

Rock Type Detritals

Fire Age Old (6+ yr)

Habitat Medium Drainage Line

Vegetation *Acacia tumida* var. *pilbarensis* tall shrubland over *Themeda triandra*, *Eriachne mucronata* low sparse tussock grassland with *Corymbia hamersleyana* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon ?fraseri			0.1	0.1	
Acacia bivenosa			0.1	1.7	
Acacia maitlandii	0.1	1.4	0.1	1.7	
Acacia pyrifolia var. *pyrifolia*	0.1	2	0.1	0.5	
Acacia tumida var. *pilbarensis*	60	3.5	50	3.5	
Acrachne racemosa			0.1	0.3	JIN111.06w
Alternanthera nana			0.1	0.2	
Amaranthus undulatus			0.1	0.3	
Androcalva luteiflora	0.1	1.7	0.1	1.7	
Aristida holathera var. *holathera*			0.1	0.2	
Arivela viscosa	0.1	0.1	0.1	0.2	
Atalaya hemiglauca	0.1	1.5	0.1	1.5	
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.1	1.5	
Bulbostylis barbata			0.1	0.1	JIN111.07w
Clerodendrum floribundum var. *angustifolium*			0.1	1.5	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4			JIN111.04
Corchorus tridens			0.1	0.1	
Corymbia hamersleyana	2	6	1	4	JIN102.07
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.4			
Dodonaea lanceolata var. *lanceolata*	0.2	1.5	0.2	1.7	JIN111.03
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus			0.1	0.3	
Eragrostis cumingii			0.1	0.1	
Eremophila longifolia			0.1	0.8	
Eriachne mucronata	0.5	0.2	0.5	0.2	JIN169.01
Eriachne tenuiculmis			0.1	0.3	JIN111.08w
Eucalyptus gamophylla			0.1	2.3	
Euphorbia biconvexa			0.1	0.3	
Euphorbia tannensis subsp. *eremophila*			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Gomphrena cunninghamii	0.1	0.1			
Goodenia stellata			0.1	0.1	JIN183.03w
Gossypium australe			0.1	1	
Gossypium robinsonii	0.1	1.2	0.1	1.7	
Grevillea wickhamii	0.1	3.5	0.1	3.5	
Indigofera monophylla	0.1	0.2			
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Nellica maderaspatensis			0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.2	
Paraneurachne muelleri			0.1	0.2	
Paspalidium basicladum			0.1	0.2	
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.1	2.5	0.1	2.5	
Ptilotus ?fusiformis			0.1	0.2	
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.7	0.1	0.7	
Rhynchosia minima	0.1	0.1	0.1	0.1	
Santalum lanceolatum	0.2	2	0.1	2	JIN111.02
Senna artemisioides subsp. *oligophylla*			0.1	0.1	
Senna glutinosa subsp. *glutinosa*			0.1	1.2	
Senna notabilis	0.1	1.2	0.1	0.1	
Setaria surgens			0.1	0.2	
**Setaria verticillata*			0.1	0.2	
Sporobolus australasicus			0.1	0.1	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.5	0.1	0.5	
Tephrosia sp. Indet			0.1	0.2	
Themeda triandra	2	0.6	1	0.6	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	1	0.4	1	0.4	
Waltheria indica	0.1	1	0.1	0.2	JIN111.01



Phase 1



Phase 2

Jinidi F&V **Site JIN-112**

Date 30/10/2023 & 22/03/2024

Described by Ryan Woodhouse, Eva Karikis, Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

735826 mE; 7451946 mN

119.3011 E -23.024223 S

Veg Condition Excellent

Soil Clayey Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Eriachne lanata* low sparse tussock grassland with *Corymbia hamersleyana*, *Eucalyptus gamophylla* mid mallee open woodland over *Hakea chordophylla* tall sparse shrubland over *Acacia arida* mid sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.4	0.1	0.3	
Acacia arida	0.2	1.5	0.1	1.5	
Acacia pruinocarpa	0.1	1	0.1	1	
Acacia pyrifolia var. *pyrifolia*	0.1	0.2			
Afrohybanthus aurantiacus			0.1	0.3	
Codonocarpus cotinifolius			0.1	1	
Corymbia hamersleyana	1	4	1	4	JIN112.04
Cymbopogon ambiguus	0.1	0.2	0.1	0.3	
Dampiera candicans	0.1	0.4	0.1	0.3	
Dodonaea coriacea	0.1	0.1			JIN217.04
Eriachne lanata	1	0.3	0.5	0.3	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eucalyptus gamophylla	1	2	1	2	
Eucalyptus leucophloia subsp. *leucophloia*	0.2	5	0.1	4	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Gompholobium oreophilum			0.1	0.4	
Goodenia stobbsiana	0.1	0.2			
Goodenia triodiophila			0.1	0.1	
Grevillea wickhamii	0.2	2.5	0.2	2.5	
Hakea chordophylla	0.1	2.2	0.1	2.2	
Indigofera monophyla			0.1	0.1	
Petalostylis labicheoides	0.1	1.5	0.1	1	
Ptilotus calostachyus			0.1	0.2	
Ptilotus exaltatus	0.1	0.1			
Santalum lanceolatum	0.1	3	0.1	3	
Scaevola browniana subsp. *browniana*	0.1	0.6	0.1	0.6	JIN112.01
Schizachyrium fragile			0.1	0.2	JIN160.01w
Senna ?ferraria	0.1	1.2	0.1	1.2	JIN112.3
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Sida sp. L (A.M. Ashby 4202)	0.1	0.1			
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.4	0.1	0.3	JIN112.02
Triodia vanleeuwenii	25	0.4	28	0.4	
Triodia wiseana	15	0.6	15	0.6	



Phase 1



Phase 2

Jinidi F&V **Site JIN-114**

Date 18/09/2023 & 22/03/2024

Described by Emma Marsh, Emalyn Loudon & Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

735096 mE; 7450942 mN

119.2941 E -23.033389 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type Conglomerate

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low open woodland over *Triodia pungens* low hummock grassland with *Acacia hamersleyensis*, *Dodonaea viscosa* subsp. *mucronata* low open shrubland over *Eriachne mucronata* low isolated tussock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.4	0.1	0.4	
Acacia hamersleyensis	7	2.5	7	2.5	JIN099.07
Acacia pyrifolia var. *pyrifolia*	0.1	1.5	0.1	1.5	
Afrohybanthus aurantiacus	0.1	0.1	0.1	0.2	
Amphipogon sericeus	0.1	0.2			
Anthobolus leptomerioides	0.1	1	0.1	1.2	
Aristida holathera var. *holathera*	0.1	0.2	0.1	0.2	
Arivela viscosa			0.1	0.3	
Astrotricha hamptonii	0.1	1	0.1	1.5	
Cassytha capillaris	0.1	0.1			
Clerodendrum floribundum var. *angustifolium*	0.1	0.3	0.1	0.5	JIN211.05
Codonocarpus cotinifolius	0.1	1.5	0.1	1.5	
Corchorus lasiocarpus subsp. *parvus*			0.1	0.3	
Corymbia ferriticola	1	2.5	1	2.5	JIN114.03
Corymbia hamersleyana	2	6	2	6	
Cucumis variabilis	0.1	0.1			
Cymbopogon ambiguus	0.3	0.1	0.1	0.5	
Dodonaea lanceolata var. *lanceolata*	0.1	1.8	0.1	2	JIN068.01
Dodonaea viscosa subsp. *mucronata*	3	2	3	2	JIN114.01
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne lanata	0.1	0.3	0.1	0.3	JIN065.03
Eriachne mucronata	1.5	0.3	1.5	0.3	
Eriachne pulchella subsp. *dominii*			0.1	0.1	
Eucalyptus gamophylla	0.1	5	0.1	5	
Eucalyptus leucophloia subsp. *leucophloia*	5.5	6.5	5.5	6.5	
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Gossypium robinsonii	0.1	2.5	0.1	2.5	
Grevillea wickhamii	0.1	0.8	0.1	1	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.8	0.1	0.8	JIN099.02
Jasminum didymum subsp. *lineare*	0.1	1.5	0.1	1.5	
Newcastelia clavipetala	0.1	0.3	0.1	0.3	JIN114.05
Petalostylis labicheoides	0.1	0.6	0.1	1.4	
Ptilotus exaltatus			0.1	0.2	
Santalum lanceolatum	0.1	1.4	0.1	2	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.5	
Sida arenicola	0.1	0.2	0.1	0.2	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.3	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.4	0.1	0.4	JIN114.02

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Solanum horridum	0.1	0.3	0.1	0.3	
Solanum lasiophyllum	0.1	0.4	0.1	0.4	JIN088.01
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.4	0.1	0.4	JIN224.08
Triodia pungens	35	0.5	35	0.5	



Phase 1



Phase 2

Jinidi F&V **Site JIN-116**

Date 31/10/2023 & 22/03/2024

Described by Emma Marsh, Grace Taylor & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

733633 mE; 7452050 mN

119.2797 E -23.023595 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Eriachne benthamii*, *Eriachne mucronata*, *Cymbopogon ambiguus* low open tussock grassland with *Triodia wiseana* low sparse hummock grassland with *Corymbia ferriticola*, *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Gossypium robinsonii*, *Dodonaea pachyneura* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon macrum	0.1	1	0.1	0.6	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.7	
Acacia adoxa var. *adoxa*			0.1	0.3	
Acacia aptaneura	0.1	1.2	0.1	1.3	
Acacia arida	0.1	0.5	0.1	0.5	
Acacia catenulata subsp. *occidentalis*			0.1	4.5	JIN116.11w
Acacia citrinoviridis	0.1	1.7	0.5	1.8	
Acacia hamersleyensis	0.1	1.2	0.1	1.2	
Acacia maitlandii	0.1	1.6	0.1	1.7	
Acacia monticola	0.4	2.5	0.5	2.5	
Acacia pruinocarpa	0.1	1.3	0.1	1.5	
Acrachne racemosa			0.1	0.3	
Amaranthus cuspidifolius	0.1	0.2			JIN116.04
Amphipogon sericeus			0.1	0.1	
Androcalva luteiflora	0.4	1.5	0.4	1.5	
Aristida holathera var. *holathera*			0.1	0.2	
Arivela viscosa	0.1	1.2	0.1	6	
**Bidens bipinnata*			0.5	0.4	
Bulbostylis turbinata	0.1	0.1	0.1	0.1	
Capparis spinosa subsp. *nummularia*	0.1	0.5	0.1	0.5	
Cheilanthes brownii	0.1	0.1	0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Clerodendrum floribundum var. *angustifolium*	0.1	2.5	0.1	1.7	JIN116.07
Codonocarpus cotinifolius	0.1	2	0.1	2	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.6	0.1	0.6	
Corymbia ferriticola	1.5	2	1.5	2	
Cucumis variabilis	0.1	0.1	0.1	0.1	
Cymbopogon ambiguus	0.5	0.4	0.5	0.5	
Cynanchum floribundum			0.1	0.1	JIN116.14w
Cyperus sp. Indet	0.1	0.4			JIN116.05
Dampiera candicans	0.1	0.2	0.1	0.2	
Dicladanthera forrestii			0.1	0.3	
Digitaria ctenantha			0.1	0.4	
Dodonaea pachyneura	1	1.4	1	1.5	JIN116.01
Dodonaea petiolaris	0.1	1.2	0.1	1.2	JIN116.08
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya			0.1	0.2	
Enneapogon caerulescens	0.1	0.3	0.1	0.3	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Enneapogon lindleyanus	0.1	0.4	0.1	0.4	
Enneapogon polyphyllus	0.1	0.2	0.1	0.2	
Eremophila latrobei subsp. *latrobei*	0.1	0.5	0.1	0.8	JIN163.01
Eriachne benthamii	12	0.4	12	0.5	JIN218.01
Eriachne mucronata	4	0.3	4	0.4	
Eriachne pulchella subsp. *dominii*			0.1	0.2	
Euphorbia trigonosperma	0.1	0.3	0.1	0.4	
Evolvulus alsinoides var. *decumbens*	0.1	0.1	0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Ficus brachypoda	0.1	1.5	0.1	1.7	JIN116.02
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Gomphrena cunninghamii	0.1	0.15	0.1	0.2	
Goodenia stobbsiana			0.1	0.1	
Gossypium robinsonii	2	4	2	4	
Hibiscus burtonii			0.1	0.1	
Hibiscus sturtii var. *campylochlamys*	0.1	0.4			
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.4	0.1	0.4	JIN116.06
Indigofera gilesii (P3)	0.1	1.5	0.1	1.5	JIN116.03
Indigofera monophylla	0.1	0.3	0.1	0.3	
Lobelia heterophylla subsp. *pilbarensis*	0.1	0.1			JIN211.03
Nicotiana sp. Indet			0.1	0.1	JIN116.15w
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium basicladum	0.1	0.3	0.1	0.3	
Perotis rara			0.1	0.1	
Polycarpaea longiflora	0.1	0.2	0.1	0.3	
Ptilotus calostachyus	0.1	0.4			
Ptilotus exaltatus			0.1	0.1	
Ptilotus fusiformis			0.1	0.2	JIN116.13w
Ptilotus incanus	0.1	0.5	0.1	0.5	
Ptilotus obovatus var. *obovatus*	0.1	1.1	0.1	1.3	
Rhynchosia minima	0.1	0.1	0.1	0.1	
Santalum lanceolatum	0.1	1.8	0.1	2	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.6	
Senna venusta	0.1	0.1	0.1	0.1	
Sida fibulifera			0.1	0.2	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3	0.1	0.4	
Tephrosia densa			0.1	1.5	JIN116.10w
Themeda triandra	0.5	0.4	0.5	0.6	
Tinospora smilacina			0.1	0.1	
Trachymene oleracea subsp. *oleracea*			0.1	0.2	
Trichodesma zeylanicum var. *zeylanicum*	0.1	0.5	0.1	0.5	
Triodia pungens	0.5	0.4	0.5	0.4	
Triodia wiseana	2.5	0.3	2.5	0.4	
Waltheria indica	0.1	0.3			



Phase 1



Phase 2

Jinidi F&V **Site JIN-117**



Date	28/03/2024
Described by	Vanessa Yeomans, Eva Karikis
Type	Quadrat 50m x 50m
Location	MGA Zone 50 725199 mE; 7463114 mN 119.1958 E -22.924888 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	None Discernible
Fire Age	Old (6+ yr)
Habitat	Drainage Area/ Floodplain
Vegetation	*Triodia angusta* mid closed hummock grassland over *Acacia bivenosa*, *Petalostylis labicheoides* tall open shrubland over *Stylobasium spathulatum*, *Androcalva luteiflora* mid sparse shrubland over *Corymbia hamersleyana*, *Eucalyptus xerothermica* low open woodland over *Euploca ovalifolia, Halgania cyanea* var. Allambi Stn (B.W. Strong 676) low sparse herbland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa			15	2	
Acacia pruinocarpa			0.1	1	
Acacia pyrifolia var. *pyrifolia*			0.1	1.2	
Androcalva luteiflora			0.5	1.2	
Capparis spinosa subsp. *nummularia*			0.1	1.3	
Codonocarpus cotinifolius			0.1	1	
Corymbia hamersleyana			3	4	
Cymbopogon obtectus			0.1	0.4	JIN117.04w
Duperreya commixta			0.1	0.1	
Eremophila platycalyx			0.1	1	
Eriachne mucronata			0.1	0.3	
Eucalyptus xerothermica			2	5	
Euploca ovalifolia			0.5	0.2	JIN117.02W
Goodenia muelleriana			0.1	0.1	JIN117.05W
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)			0.1	0.1	JIN117.07w
Hakea chordophylla			0.1	1.4	
Halgania cyanea var. Allambi Stn (B.W. Strong 676)			0.1	0.1	JIN117.03W
Jasminum didymum subsp. *lineare*			0.1	0.1	
Paraneurachne muelleri			0.1	0.4	
Petalostylis labicheoides			0.5	2	
Polymeria ambigua			0.1	0.1	JIN117.06W
Ptilotus exaltatus			0.1	0.1	
Stylobasium spathulatum			0.1	1	
Triodia angusta			75	0.8	JIN117.01W

Jinidi F&V **Site JIN-119**



Date	30/10/2023
Described by	Sam Coultas
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	732090 mE; 7452275 mN
	119.2646 E -23.021776 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Gully
Vegetation	*Themeda triandra*, *Cymbopogon ambiguus*, *Eriachne mucronata* low open tussock grassland with *Gossypium robinsonii*, *Stylobasium spathulatum*, *Acacia pruinocarpa* tall sparse shrubland over *Triodia pungens* low sparse hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	0.3			
Acacia arida	0.1	0.6			
Acacia pruinocarpa	1	3			
Acacia pyrifolia var. *pyrifolia*	0.1	0.5			
Acacia tenuissima	0.1	0.7			
Aristida burbidgeae	0.1	0.3			
Astrotricha hamptonii	0.1	0.6			
Corymbia hamersleyana	0.5	3			
Cymbopogon ambiguus	4	0.7			
Cyperus cunninghamii subsp. *cunninghamii*	0.1	0.2			
Dodonaea pachyneura	0.1	0.6			
Duperreya commixta	0.1	0.1			
Enneapogon caerulescens	0.1	0.2			
Enneapogon lindleyanus	0.1	0.3			
Enneapogon polyphyllus	0.1	0.3			
Eremophila naaykensii (P3)	0.1	0.4			
Eriachne mucronata	4	0.4			
Eucalyptus leucophloia subsp. *leucophloia*	0.5	3			
Euphorbia sp. indet (bi/tri)	0.1	0.2			
Euphorbia tannensis subsp. *eremophila*	0.1	0.3			
Ficus brachypoda	0.1	1			
Gompholobium oreophilum	0.1	0.4			
Gossypium robinsonii	5	2.5			
Hibiscus sp. Mt Robinson (G. Byrne 3537)	0.1	0.3			
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.2			
Prostanthera albiflora	0.1	1			
Ptilotus obovatus var. *obovatus*	0.1	0.4			
Senna glutinosa subsp. *glutinosa*	0.1	0.6			
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.2			
Solanum cleistogamum	0.1	0.3			
Stylobasium spathulatum	3	2.2			
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	1	0.3			
Themeda triandra	12	0.4			
Triodia pungens	4	0.3			
Triodia wiseana	0.1	0.3			
Triumfetta ?chaetocarpa	0.1	0.3			

Jinidi F&V **Site JIN-120**

Date 18/09/2023 & 26/03/2024

Described by Emma Marsh, Emalyn Loudon & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

735633 mE; 7449386 mN

119.2996 E -23.047354 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Acacia arida* low open shrubland over *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees over *Hakea chordophylla* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. adoxa	0.1	0.2	0.1	0.3	
Acacia adsurgens			0.1	0.5	
Acacia arida	18	0.5	23	1	
Acacia bivenosa	0.1	1.5	0.1	1.5	
Acacia pachyacra	0.1	1.6	0.1	1.6	
Acacia pyrifolia var. pyrifolia	0.1	1.2	0.1	1.2	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Aristida holathera var. holathera			0.1	0.1	
Corchorus crozophorifolius	0.1	0.3			JIN090.01
Eriachne pulchella subsp. pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. leucophloia	1	4.5	1	5	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Gompholobium oreophilum	0.1	0.3	0.1	0.4	
Goodenia stobbsiana			0.1	0.2	
Goodenia triodiophila	0.1	0.1	0.1	0.3	
Hakea chordophylla	0.5	3.5	0.5	3.5	
Paraneurachne muelleri	0.1	0.3	0.1	0.4	
Petalostylis labicheoides	0.1	2	0.1	2	
Ptilotus calostachyus	0.1	0.3	0.1	0.4	
Ptilotus obovatus var. obovatus	0.1	0.5	0.1	0.5	
Santalum lanceolatum	0.1	1.6	0.1	1.6	
Senna artemisioides subsp. oligophylla	0.1	1.3	0.1	1.3	
Triodia vanleeuwenii	15	0.2	15	0.2	
Triodia wiseana	0.1	0.3	0.1	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-121**

Date 18/09/2023 & 23/03/2024

Described by Carmel Winton, April Slater & Sam Coultas

Type Quadrat 50m x 50m

Location MGA Zone 50

735423 mE; 7447975 mN

119.2978 E -23.060125 S

Veg Condition Excellent

Soil Clayey Sand

Rock Type BIF

Fire Age Moderate (3 to 5 yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Hakea chordophylla*, *Corymbia deserticola* subsp. *deserticola* low isolated trees over *Acacia ancistrocarpa*, *Acacia pachyacra* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	0.1	2.3	0.1	2.3	
Acacia pachyacra	0.1	0.6	0.1	0.6	
Amphipogon sericeus	0.1	0.5	0.1	0.3	
Aristida sp. Indet	0.1	0.5			
Bonamia pilbarensis	0.1	0.1	0.1	0.1	JIN121.01
Corymbia deserticola subsp. *deserticola*	0.5	3.5	0.5	3.5	
Eulalia aurea	0.5	0.4	0.5	0.5	
Fimbristylis dichotoma			0.1	0.1	
Fimbristylis simulans			0.1	0.1	
Goodenia triodiophila	0.1	0.3	0.1	0.3	
Hakea chordophylla	0.1	2.5	0.1	2.5	
Panicum effusum	0.1	0.4			
Petalostylis labicheoides	0.1	0.1	0.1	0.3	
Schizachyrium fragile			0.1	0.1	JIN119.03w
Sida arenicola	0.1	1.8	0.1	2	
Stackhousia sp. swollen gynophore (W.R. Barker 2041)	0.1	0.3			JIN121.02
Triodia pungens	0.1	0.5	0.1	0.5	
Triodia vanleeuwenii	75	0.3	60	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-123**

Date 18/09/2023 & 27/03/2024

Described by Emma Marsh, Emalyn Loudon & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

734091 mE; 7449393 mN

119.2846 E -23.047512 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Medium Drainage Line

Vegetation *Acacia maitlandii*, *Acacia pteraneura* tall open shrubland over *Themeda triandra, Eriachne mucronata* low open tussock grassland with *Triodia pungens* mid open hummock grassland with *Arivela viscosa* low sparse herbland with *Eucalyptus xerothermica, Corymbia hamersleyana* low isolated trees and fringing *Eucalyptus gamophylla* mallee trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.4	
Acacia aptaneura	0.5	3.5			JIN088.05
Acacia arida	0.1	1.5	0.1	1.5	
Acacia bivenosa	1	1.3	1	1.3	
Acacia maitlandii	5	2	8	2.5	
Acacia pachyacra	0.1	1.3	0.1	2	JIN075.08
Acacia pteraneura			0.5	5	JIN123.02w
Acacia pyrifolia var. *pyrifolia*	0.1	1.6	0.1	2	
Afrohybanthus aurantiacus			0.1	0.6	
Alternanthera nana			0.1	0.3	
Androcalva luteiflora	0.1	1.2	0.1	2	
Aristida contorta	0.1	0.1	0.1	0.1	
Aristida holathera var. *holathera*			0.1	0.3	
Aristida inaequiglumis	0.1	0.3	0.1	0.2	
Arivela viscosa			5	0.8	
**Bidens bipinnata*			0.1	0.4	
Boerhavia coccinea			0.1	0.2	
Bulbostylis barbata			0.1	0.1	
Capparis lasiantha	0.1	0.3			
Chrysopogon fallax			0.1	0.4	
Corchorus lasiocarpus subsp. *parvus*			0.1	0.3	
Corchorus tridens			0.2	0.4	
Corymbia hamersleyana	0.5	4	0.5	4	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.3	0.1	0.4	
Dactyloctenium radulans			0.1	0.1	
Digitaria ctenantha			0.1	0.5	
Dodonaea lanceolata var. *lanceolata*	0.1	1.7	0.1	1.7	JIN099.01
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus	0.1	0.3	0.1	0.2	
Enneapogon polyphyllus			0.1	0.3	
Eragrostis eriopoda			0.1	0.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eremophila longifolia	0.1	0.8	0.1	2	
Eriachne benthamii			0.5	0.4	
Eriachne mucronata	0.5	0.3	1	0.5	
Eriachne pulchella subsp. *pulchella*			0.1	0.2	
Eucalyptus gamophylla	0.1	3	0.1	4	
Eucalyptus xerothermica	3	6.5	3	6.5	
Euphorbia boophthona			0.1	0.3	
Euphorbia trigonosperma			0.1	0.4	
Euploca tenuifolia			0.1	0.3	JIN037.15w
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Goodenia microptera			0.1	0.2	
Goodenia muelleriana			0.1	0.1	
Gossypium robinsonii	0.1	1	0.1	1	
Indigofera georgei	0.1	0.2	0.1	0.6	JIN099.04
Ipomoea polymorpha			0.1	0.3	JIN123.03w
Jasminum didymum subsp. *lineare*	0.1	0.4	0.1	0.8	
**Malvastrum americanum*			0.1	0.4	
Nellica maderaspatensis			0.1	0.4	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.3	
Paraneurachne muelleri	0.1	0.3	0.1	0.4	
Paspalidium clementii			0.1	0.3	JIN255.04w
Perotis rara			0.2	0.3	
Portulaca oleracea			0.1	0.1	
Pterocaulon sphacelatum			0.1	0.1	
Ptilotus astrolasius	0.1	0.3	0.1	0.4	
Ptilotus auriculifolius			0.1	0.2	
Ptilotus exaltatus			0.1	0.1	
Ptilotus fusiformis			0.1	0.3	JIN116.13w
Ptilotus obovatus var. *obovatus*	0.1	0.8	0.1	0.8	
Rhynchosia minima			0.1	0.2	
Santalum lanceolatum	0.1	2	0.1	2.5	
Scaevola parvifolia subsp. *pilbarae*			0.1	0.5	
Schizachyrium fragile			0.1	0.1	JIN178.01w
Senna artemisioides subsp. *oligophylla*	0.1	1	0.1	1	
Senna artemisioides subsp. x *artemisioides*	0.1	1.4	0.1	2.2	
Senna notabilis			0.1	0.2	
**Setaria verticillata*			0.1	0.8	
Sida fibulifera	0.1	0.2	0.1	0.2	
Sida sp. L (A.M. Ashby 4202)	0.1	0.2	0.1	0.2	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1	0.1	0.5	
Solanum phlomoides			0.1	0.2	
Sporobolus australasicus			0.1	0.2	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.3	0.1	0.4	
Themeda triandra	20	0.4	20	0.6	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.5	
Triodia pungens	12	0.4	12	0.6	
Urochloa distachyos			0.1	0.4	JIN123.01w



Phase 1



Phase 2

Jinidi F&V **Site JIN-125**

Date 31/10/2023 & 22/03/2024

Described by Ryan Woodhouse, Eva Karikis & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

733624 mE; 7450358 mN

119.2799 E -23.038868 S

Veg Condition Excellent

Soil Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Acacia bivenosa*, *Acacia atkinsiana* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia arida	0.2	0.3	2	0.6	
Acacia bivenosa	0.3	0.5	1	0.8	
Amphipogon sericeus	0.1	0.2	0.2	0.2	JIN125.03W
Dodonaea coriacea	0.1	1.2	0.5	1.2	JIN217.04
Eriachne helmsii	0.1	0.1			JIN125.1
Eriachne mucronata			0.1	0.2	JIN125.02W
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	1	6	2	6	
Euphorbia sp. indet (bi/tri)			0.1	0.1	
Hakea chordophylla	0.2	1	0.2	1.8	
Ptilotus obovatus var. *obovatus*	0.1	0.2			
Senna glutinosa subsp. *glutinosa*	0.1	0.1	0.1	0.1	
Senna glutinosa subsp. *pruinosa*	0.2	1.2	0.2	1.2	
Senna glutinosa subsp. x *luerssenii*	0.1	0.6	0.1	0.6	
Sida sp. Excedentifolia (J.L. Egan 1925)			0.1	0.1	JIN125.04W
Triodia pungens	0.3	0.4	3	0.4	JIN125.1
Triodia vanleeuwenii	25	0.3	25	0.3	
Triodia wiseana	0.2	0.4	0.2	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-126**

Date 29/10/2023 & 11/03/2024

Described by Ryan Woodhouse, Eva Karikis & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

723602 mE; 7450615 mN

119.1821 E -23.037928 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type None Discernible

Fire Age Moderate (3 to 5 yr)

Habitat Undulating Low Hills

Vegetation *Triodia wiseana* low open hummock grassland with *Petalostylis labicheoides*, *Hakea chordophylla* mid to tall sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.2	0.6	0.5	0.6	
Acacia bivenosa	0.2	0.4	0.1	0.5	
Acacia pruinocarpa	0.1	0.5	0.1	0.8	
Androcalva luteiflora	0.1	0.2	0.1	0.6	
Aristida holathera var. *holathera*			0.1	0.3	
Capparis lasiantha	0.1	0.7	0.1	1	
Codonocarpus cotinifolius	0.1	0.5	0.1	0.5	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.1	0.1	0.5	JIN126.03w
Corymbia hamersleyana	0.2	4	0.2	4	
Dodonaea coriacea	0.1	0.5			JIN217.04
Enneapogon caerulescens			0.1	0.1	JIN187.05w
Eragrostis eriopoda			0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	3	7	1.5	7	
Euphorbia australis var. *subtomentosa*			0.1	0.1	JIN126.05w
Euploca ovalifolia			0.1	0.3	JIN126.04w
Hakea chordophylla	0.2	5	0.1	5	
Hibiscus sturtii	0.1	0.1	0.1	0.1	JIN126.02
Indigofera monophylla			0.1	0.2	
Jasminum didymum subsp. *lineare*	0.1	0.4	0.1	0.5	
Petalostylis labicheoides	3	1.7	2	2	
Ptilotus astrolasius			0.1	0.3	
Ptilotus exaltatus	0.1	0.1			
Ptilotus obovatus var. *obovatus*	0.1	0.1	0.1	0.3	
Scaevola acacioides	0.1	0.2	0.1	0.4	JIN126.01
Senna artemisioides subsp. *oligophylla*			0.1	0.5	
Tribulus hirsutus			0.1	0.1	
Triodia wiseana	15	0.2	15	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-127**

Date 31/10/2023 & 22/03/2024

Described by Sam Coultas, Sammy Alatas

Type Quadrat 100m x 25m

Location MGA Zone 50

731543 mE; 7450758 mN

119.2595 E -23.035545 S

Veg Condition Excellent

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Cliff

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia incurvaneura*, *Grevillea saxicola* (P3) low open woodland over *Scaevola acacioides*, *Dodonaea petiolaris*, *Eremophila oppositifolia* subsp. *angustifolia* mid to tall open shrubland over *Ptilotus obovatus* var. *obovatus* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia catenulata subsp. *occidentalis*	25	4.5	25	4.5	
Acacia incurvaneura	5	4.5	5	4.5	
Acacia pruinocarpa	0.1	1	0.1	1	
Aristida obscura	0.1	0.3	0.1	0.3	
Astrotricha hamptonii	0.1	0.7	0.1	0.7	
**Bidens bipinnata*			0.1	0.1	
Cheilanthes lasiophylla	0.1	0.1	0.1	0.1	JIN127.05w
Cymbopogon ambiguus	0.1	0.6	0.1	0.6	
Dodonaea pachyneura	1	1.3	1	1.3	
Dodonaea petiolaris	2	1	2	1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enchylaena tomentosa var. *tomentosa*	0.1	0.3	0.1	0.3	
Eremophila latrobei subsp. *glabra*	0.5	1.2	0.1	1.2	JIN127.03
Eremophila latrobei subsp. *latrobei*	0.5	1.1	0.5	1.1	JIN127.04
Eremophila oppositifolia subsp. *angustifolia*	4	1.4	4	1.4	JIN127.01
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	2	0.1	2	
Eucalyptus pilbarensis	0.5	3	0.5	3	SCop03
Euphorbia drummondii			0.1	0.1	JIN127.06w
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Grevillea saxicola (P3)	5	5.5	5	5.5	
Hibiscus burtonii	0.1	0.1	0.1	0.1	
Maireana triptera			0.1	0.1	
Paspalidium clementii			0.1	0.2	JIN127.07w
Psydrax suaveolens	0.1	1.4	0.1	1.4	JIN127.08w
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	1	0.4	1	0.4	
Rhagodia sp. Hamersley (M. Trudgen 17794) (P3)	0.1	0.7	0.1	0.7	JIN127.02
Scaevola acacioides	3	1	3	1	
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2	0.1	0.2	
Triodia pungens	0.1	0.4	0.1	0.4	
Triodia sp. Mt Ella (M.E. Trudgen 12739) (P3)	0.1	0.3	0.1	0.3	
Triodia vanleeuwenii	0.5	0.2	0.1	0.2	
Triodia wiseana	2	0.4	2	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-128**

Date 31/10/2023 & 22/03/2024

Described by Sam Coultas & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

732130 mE; 7450731 mN

119.2652 E -23.035707 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

ire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia pungens* low hummock grassland with *Acacia adoxa* var. *adoxa* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees with *Eucalyptus pilbarensis* low open mallee woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	3	0.3	3	0.4	
Acacia adsurgens			0.1	0.7	JIN128.09w
Acacia ancistrocarpa			0.1	1.7	
Amaranthus undulatus			0.1	0.4	JIN128.96w
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Aristida holathera var. *holathera*			0.1	0.3	JIN128.03w
Clerodendrum tomentosum var. *lanceolatum*			0.1	1.2	JIN128.08w
Codonocarpus cotinifolius	0.1	0.5	0.1	0.6	
Corymbia hamersleyana	0.5	2	0.5	2	
Dampiera candicans	0.1	0.4	0.1	0.4	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	1	5	1	5	
Euphorbia boophthona			0.1	0.1	JIN128.05w
Euphorbia drummondii			0.1	0.1	JIN128.04w
Gompholobium oreophilum	0.1	0.3	0.1	0.4	
Grevillea wickhamii	0.1	1.4	0.1	1.4	
Jasminum didymum subsp. *lineare*			0.1	0.1	
Nicotiana sp. Indet			0.1	0.3	JIN128.07w
Paspalidium clementii			0.1	0.2	JIN128.01w
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	
Senna artemisioides subsp. *oligophylla*			0.1	0.8	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.5	
Senna glutinosa subsp. *pruinosa*	0.1	1.3	0.1	1	
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	1.2			JIN107.01
Sporobolus australasicus			0.1	0.2	JIN128.02w
Triodia pungens	15	0.4	17	0.6	
Triodia vanleeuwenii	17	0.2	20	0.3	
Triodia wiseana	4	0.4	4	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-130**

Date 31/10/2023 & 23/03/2024

Described by Sam Coultas & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

728989 mE; 7451254 mN

119.2345 E -23.031428 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia brizoides*, *Triodia angusta* low hummock grassland with *Eucalyptus pilbarensis* low open mallee woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0.3	0.1	0.3	
Acacia pruinocarpa	0.1	0.2	0.1	0.3	
Amphipogon sericeus	0.1	0.3	0.1	0.2	
Aristida contorta			0.1	0.1	
Cheilanthes brownii			0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eriachne mucronata	0.1	0.2	0.1	0.3	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4	0.5	4	
Eucalyptus pilbarensis	5	2.5	5	2.5	JIN130.02w
Maireana triptera	0.1	0.3	0.1	0.3	
Paraneurachne muelleri	0.1	0.3	0.1	0.4	
Paspalidium clementii			0.1	0.2	JIN255.04w
Ptilotus astrolasius	0.1	0.4	0.3	0.4	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus	0.1	0.4	0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *glutinosa*			0.1	1	
Senna glutinosa subsp. x *luerssenii*	0.1	0.8	0.1	0.8	
Sida sp. Excedentifolia (J.L. Egan 1925)			0.1	0.2	JIN130.03w
Solanum cleistogamum	0.1	0.2			
Solanum phlomoides			0.1	0.2	
Triodia brizoides	20	0.3	20	0.3	SCD05.01
Triodia pungens	0.1	0.3	0.1	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-131**



Date 27/03/2024

Described by Sam Coultas, Sammy Alatas

Type Quadrat 100m x 25m

Location MGA Zone 50

731463 mE; 7450361 mN

119.2588 E -23.039141 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type Limestone (calcrete)

Fire Age Old (6+ yr)

Habitat Footslope

Vegetation *Triodia angusta*, *Triodia wiseana* low open hummock grassland with *Eucalyptus pilbarensis* low open mallee woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Capparis lasiantha			0.1	0.5	
Enneapogon polyphyllus			0.1	0.1	
Eriachne mucronata			0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*			0.1	1.5	
Eucalyptus pilbarensis			5	3.2	JIN131.01w
Euphorbia sp. indet (bi/tri)			0.1	0.1	
Goodenia cusackiana			0.1	0.1	
Maireana triptera			0.1	0.2	
Paspalidium clementii			0.1	0.2	JIN127.07w
Polygala glaucifolia			0.1	0.1	JIN131.02w
Schizachyrium fragile			0.1	0.1	JIN178.01w
Sida sp. Golden calyces glabrous (H.N. Foote 32)			0.1	0.1	
Triodia angusta			15	0.5	
Triodia pungens			0.1	0.4	
Triodia wiseana			10	0.4	

Jinidi F&V **Site JIN-132**



Date	23/03/2024
Described by	Emily Eakin-Busher, Rylan Cunnane
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	725906 mE; 7463946 mN
	119.2026 E -22.917281 S
Veg Condition	Excellent
Soil	Sandy Loam
Rock Type	CID
Fire Age	Recent (0 to 2 yr)
Habitat	Drainage Area/ Floodplain
Vegetation	*Eucalyptus camaldulensis* subsp. *refulgens*, *Melaleuca argentea* mid woodland over *Atalaya hemiglauca, Stylobasium spathulatum, Acacia ampliceps* low open woodland over *Typha domingensis* tall open shrubland over *Cyperus vaginatus* mid open sedgeland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ampliceps			0.1	3	
Acacia bivenosa			0.1	1.5	
Acacia citrinoviridis			0.1	1.3	JIN132.02w
Acacia pyrifolia var. *pyrifolia*			0.1	1.2	
Androcalva luteiflora			0.1	1.2	
Atalaya hemiglauca			15	5.5	
Capparis spinosa subsp. *nummularia*			0.1	0.4	
Cassytha filiformis			0.3	0.1	JIN132.03w
**Cenchrus ciliaris*			0.1	0.3	
Chrysopogon fallax			0.1	0.2	
Clerodendrum floribundum var. *angustifolium*			0.1	0.1	
Cymbopogon ambiguus			0.1	0.3	
Cyperus vaginatus			4	1.5	
Dodonaea viscosa subsp. *mucronata*			0.1	1.2	
Eriachne mucronata			0.1	0.2	
Eucalyptus camaldulensis subsp. *refulgens*			15	14	
Eulalia aurea			0.1	0.4	
Euphorbia biconvexa			0.1	0.2	
Fimbristylis sieberiana (P3)			0.1	0.4	JINEBRC.03
Glycine canescens			0.1	0.1	JIN132.04w
Gossypium robinsonii			0.1	1	
Gossypium sturtianum var. *sturtianum*			0.1	1.8	
**Lactuca serriola* forma *serriola*			0.1	0.3	
Lobelia arnhemiaca			0.1	0.1	
Melaleuca argentea			5	18	
Nellica maderaspatensis			0.1	0.4	
Paspalidium constrictum			0.1	0.3	JIN132.01w
Petalostylis labicheoides			0.1	2	
Rhynchosia minima			0.1	0.1	
Schoenoplectus subulatus			0.1	2	
Sesbania cannabina			0.1	0.3	
**Sonchus oleraceus*			0.1	0.4	
Stylobasium spathulatum			3	4	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)			0.1	0.3	
Themeda triandra			0.1	0.3	
Tinospora smilacina			0.1	0.1	
Triodia angusta			0.2	0.4	
Typha domingensis			5	3	
Vachellia farnesiana var. *farnesiana*			0.1	1.3	
Vigna lanceolata var. *lanceolata*			0.1	0.1	

Jinidi F&V **Site JIN-133**

Date 1/11/2023 & 23/03/2023

Described by Sam Coultas

Type Quadrat 50m x 50m

Location MGA Zone 50

736164 mE; 7446456 mN

119.3052 E -23.073729 S

Veg Condition Poor

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Acacia aptaneura, Acacia incurvaneura, Eucalyptus xerothermica* low woodland over *Ptilotus obovatus* var. *obovatus* low isolated shrubs over low isolated clumps of annual herbs and tussock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon cunninghamii			0.1	0.3	
Abutilon fraseri subsp. *fraseri*			0.1	0.2	
Acacia aptaneura	20	6	20	6	
Acacia incurvaneura	5	5.5	5	5.5	
Afrohybanthus aurantiacus	0.1	0.4	0.1	0.4	
Aristida contorta	0.1	0.2	0.1	0.3	
Aristida inaequiglumis			0.1	0.5	
Aristida latifolia	0.5	0.5	0.5	0.5	
Arivela viscosa			4	0.4	
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.1	0.1	JIN133.04w
Boerhavia repleta			0.1	0.3	JIN133.06w
Boerhavia schomburgkiana			0.1	0.1	JIN133.07w
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.2	JIN133.08w
**Chloris virgata*			0.1	0.4	JIN133.11w
Chrysopogon fallax	0.1	0.1	0.1	0.5	
Commelina ensifolia			0.1	0.2	
Convolvulus clementii			0.1	0.1	JIN133.03w
Corchorus tridens			0.1	0.1	
Dactyloctenium radulans			0.5	0.1	
Digitaria ctenantha			1	0.3	
Enneapogon lindleyanus	0.1	0.4	0.1	0.4	
Enneapogon polyphyllus	0.1	0.3	2	0.3	
Eremophila clarkei	0.1	0.3	0.1	0.3	
Eremophila lanceolata	0.1	0.1	0.1	0.1	JIN133.05w
Eremophila longifolia	0.1	0.5	0.1	0.5	
Eucalyptus xerothermica	2	6	2	6	
Euphorbia trigonosperma			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Hibiscus burtonii	0.1	0.3	0.1	0.5	
Iseilema membranaceum			0.1	0.2	JIN133.09w
**Malvastrum americanum*			0.1	0.2	
Paspalidium clementii			0.1	0.2	JIN127.07w
Perotis rara			0.1	0.2	
Portulaca oleracea			0.1	0.1	
Ptilotus helipteroides	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. *obovatus*	1	0.5	1	0.5	
Ptilotus xerophilus			0.1	0.2	JIN133.01w
Rhagodia sp. Hamersley (M. Trudgen 17794) (P3)	0.1	1.3	0.1	1.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
**Setaria verticillata*			0.1	0.3	
Sida sp. L (A.M. Ashby 4202)	0.1	0.2	0.1	0.2	
Themeda triandra	0.1	0.4	0.1	0.4	
Tragus australianus			0.1	0.1	
Tribulus astrocarpus			0.1	0.1	
**Tribulus terrestris*			0.1	0.2	JIN215.08W
Triodia pungens	0.1	0.4	0.1	0.4	
Urochloa occidentalis var. *ciliata*			0.1	0.2	JIN133.10w
Urochloa praetervisa			0.1	0.3	JIN133.02w
Vigna sp. Hamersley Clay (A.A. Mitchell PRP 113)			0.1	0.1	



Phase 1



Phase 2

Jinidi F&V **Site JIN-134**

Date 18/09/2023 & 25/03/2024

Described by Carmel Winton, April Slater & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

729461 mE; 7450243 mN

119.2393 E -23.040482 S

Veg Condition Excellent

Soil Clayey Sand

Rock Type Granite

Fire Age Moderate (3 to 5 yr)

Habitat Basalt Outcrops

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia incurvaneura*, *Acacia aptaneura*, *Acacia pruinocarpa* low open woodland over *Triodia vanleeuwenii* low open hummock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura			5	4	JIN134.12W
Acacia ayersiana	0.5	3.5	2	4.5	JIN134.10W
Acacia catenulata subsp. *occidentalis*	42	2.8	45	4	JIN134.08w
Acacia incurvaneura	8	3	8	3	JIN134.03
Acacia pruinocarpa	4	6	4	6	
Acacia sibirica	0.5	4	0.5	4	JIN134.06
Acacia trudgeniana	0.5	4	0.5	4	JIN134.05
Anthobolus leptomerioides	0.1	1.6	0.1	1.6	
**Bidens bipinnata*			0.4	0.1	
Cheilanthes brownii			0.1	0.1	
Cucumis argenteus			0.1	0.1	
Enneapogon polyphyllus			0.1	0.1	JIN134.07W
Eremophila latrobei	0.1	3.2	0.1	1.5	
Eriachne mucronata			0.1	0.1	JIN134.09W
Evolvulus alsinoides var. *decumbens*			0.1	0.1	
Grevillea saxicola (P3)	2	3.5	2	3.5	JIN134.01
Paspalidium clementii			0.1	0.1	JIN088.10W
Polygala glaucifolia			0.1	0.1	JIN096.16W
Psydrax latifolia	0.1	0.4	0.1	0.4	
Psydrax suaveolens	0.1	1.2	0.1	1.2	
Ptilotus exaltatus			0.1	0.1	
Senna glaucifolia	0.1	2.1	0.1	0.8	JIN134.11w
Senna notabilis			0.1	0.1	
Senna stricta	0.1	1.8	0.1	0.6	JIN134.04
Sida ? ectogama			0.1	1	JIN134.06W
Solanum cleistogamum	0.1	0.2			
Triodia pungens	0.1	0.4	0.1	0.1	
Triodia vanleeuwenii	23	0.3	30	0.3	
Triodia wiseana	0.1	0.3	0.1	0.3	JIN134.12W



Phase 1



Phase 2

Jinidi F&V **Site JIN-135**

Date 31/10/2023 & 22/03/2024

Described by Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

733452 mE; 7451318 mN

119.2780 E -23.030227 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus gamophylla* low open mallee woodland over *Acacia tenuissima* mid sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens	0.1	0.3	0.1	0.3	JIN135.02w
Acacia bivenosa	0.2	0.6	0.1	0.6	
Acacia hilliana	0.2	0.3	0.2	0.3	
Acacia tenuissima	0.5	0.6	0.1	0.4	JIN110.02
Clerodendrum floribundum var. *angustifolium*			0.1	0.4	
Corchorus sp. Indet	0.1	0.2			
Cymbopogon ambiguus	0.1	0.1			
Duperreya commixta	0.1	0.1	0.1	0.1	JIN135.1
Eriachne benthamii	0.1	0.2			
Eucalyptus gamophylla	2	3	3	3.2	
Fimbristylis simulans	0.1	0.2	0.1	0.2	JIN135.03w
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.1	2.5	0.1	2.5	
Indigofera monophylla	0.1	0.1	0.1	0.1	
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	
Leichhardtia australis			0.1	0.1	
Paraneurachne muelleri	0.1	0.1	0.1	0.1	
Ptilotus calostachyus	0.1	0.2			
Senna artemisioides subsp. *oligophylla*	0.1	0.4	0.1	0.3	
Senna ferraria	0.1	0.6	0.1	1	JIN112.3
Senna glutinosa subsp. *glutinosa*			0.1	0.3	
Senna glutinosa subsp. *pruinosa*	0.1	0.6	0.1	1	
Triodia pungens	0.5	0.3	0.5	0.3	
Triodia vanleeuwenii	20	0.2	20	0.2	JIN135.02w



Phase 1



Phase 2

Jinidi F&V **Site JIN-136**

Date 18/09/2023, 25/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Eva Karikis

Type Quadrats 50m x 50m

Location MGA Zone 50

729335 mE; 7450426 mN

119.2380 E -23.038854 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Acacia pruinocarpa*, *Acacia bivenosa*, *Petalostylis labicheoides* mid isolated shrubs with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0.5	0.1	0.5	
Acacia pachyacra	0.1	1.3	0.1	1.3	JIN075.08
Acacia pruinocarpa	1.5	1.3	1.5	1.3	
Amphipogon sericeus	0.1	0.2			
Clerodendrum floribundum var. *angustifolium*	0.1	0.1	0.1	1	
Codonocarpus cotinifolius	0.1	1	0.1	0.2	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.3	0.1	0.8	JIN136.01W
Duperreya commixta	0.1	0.1	0.1	0.1	
Eremophila latrobei subsp. *filiformis*	0.1	0.5	0.1	0.5	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4.5	0.1	4.5	
Goodenia stobbsiana	0.1	0.2			
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.1	1.7	0.1	1.7	
Indigofera monophylla	0.1	0.3	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Petalostylis labicheoides	0.1	2	0.1	2	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.3	0.1	0.3	
Ptilotus exaltatus			0.1	0.1	
Senna ferraria	0.1	1.6	0.1	1.6	
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. x *luerssenii*			0.1	1.1	
Sida arenicola	0.1	1			
Solanum ? horridum	0.1	0.3			JIN065.02
Solanum lasiophyllum	0.1	0.2	0.1	0.2	JIN088.01
Triodia pungens	2	0.3	10	0.4	
Triodia vanleeuwenii	20	0.2	40	0.2	
Triodia wiseana	10	0.3	10	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-137**

Date 30/10/2023 & 9/03/2024

Described by Emma Marsh, Grace Taylor & Emily Eakin-Busher, Kay Greenacre

Type Quadrats 50m x 50m

Location MGA Zone 50

734633 mE; 7453623 mN

119.2892 E -23.009251 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Acacia hilliana, Acacia adoxa* var. *adoxa, Acacia arida* low open shrubland with *Eucalyptus leucophloia* subsp. *leucophloia, Corymbia hamersleyana* low isolated trees (landscape).

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. adoxa	5	0.3	4	0.2	
Acacia arida	0.5	0.4	0.1	0.4	
Acacia hilliana	5	0.3	5	0.3	
Afrohybanthus aurantiacus	0.1	0.2	0.1	0.2	
Amphipogon sericeus	0.1	0.2			
Aristida holathera var. holathera	0.1	0.4			
Codonocarpus cotinifolius	0.1	2.5	0.1	2.5	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.3	
Corymbia deserticola subsp. *deserticola*	0.1	1.3	0.1	1	
Cymbopogon ambiguus	0.1	0.3	0.1	0.3	
Dampiera candicans	0.1	0.5	0.1	0.5	
Dodonaea coriacea	0.1	0.2	0.1	0.2	
Eragrostis eriopoda			0.1	0.2	
Eragrostis setifolia			0.1	0.2	JIN137.02w
Eremophila latrobei subsp. *filiformis*	0.1	0.6	0.1	0.6	JIN163.01
Eriachne lanata	0.1	0.3	0.1	0.3	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	5	0.1	1.5	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Gompholobium oreophilum	0.1	0.3			
Goodenia stobbsiana	0.1	0.1	0.1	0.2	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.1	2.5	0.1	2.5	
Hibiscus sturtii var. *campylochlamys*	0.1	0.1	0.1	0.1	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Mirbelia viminalis	0.1	0.5	0.1	0.5	
Paraneurachne muelleri	0.1	0.2			
Ptilotus calostachyus	0.1	0.8	0.1	0.3	
Santalum lanceolatum	0.1	1.8			
Senna glutinosa subsp. *glutinosa*	0.1	0.4	0.1	0.5	
Senna glutinosa subsp. *pruinosa*	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. *pruinosa* x *luerssenii*	0.1	1	0.1	1	JIN137.03w
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.3	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	2	0.1	1	
Solanum phlomoides	0.1	0.4	0.1	0.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Solanum sp. Indet			0.1	0.1	
Triodia vanleeuwenii	22	0.2	22	0.2	
Triodia wiseana	0.1	0.3	0.1	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-138**

Date 1/11/2023 & 23/03/2024

Described by Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

733476 mE; 7448387 mN

119.2787 E -23.056675 S

Veg Condition Excellent

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia pruinocarpa*, *Acacia aptaneura* low open woodland over *Triodia pungens*, *Triodia vanleeuwenii* low isolated hummock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	2	7	2	7	
Acacia catenulata subsp. *occidentalis*	35	6	35	6	
Acacia pruinocarpa	7	8	7	8	
Arivela viscosa			0.1	0.2	
**Bidens bipinnata*	0.1	0.1	2	0.3	
Boerhavia coccinea			0.1	0.1	
Boerhavia schomburgkiana			0.1	0.2	JIN133.07w
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.2	JIN133.08w
Codonocarpus cotinifolius	0.1	0.4	0.1	0.7	
Corchorus lasiocarpus subsp. *parvus*			0.1	0.2	
Cucumis variabilis			0.1	0.1	
Digitaria brownii	0.1	0.4	0.1	0.5	
Digitaria ctenantha			0.1	0.3	
Duperreya commixta			0.1	0.1	
Dysphania rhadinostachya subsp. *rhadinostachya*			0.1	0.4	
Enneapogon polyphyllus			0.1	0.1	
Enteropogon ramosus	0.1	0.3	0.1	0.5	
Eragrostis cumingii			0.1	0.1	
Eragrostis eriopoda	0.1	0.3	0.1	0.3	
Eremophila latrobei subsp. *glabra*	0.1	1.2	0.1	1.2	JIN127.03
Eremophila latrobei subsp. *latrobei*	0.1	1	0.1	1	JIN127.04
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eriachne tenuiculmis			0.1	0.4	JIN111.08w
Euphorbia drummondii			0.1	0.2	JIN127.06w
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Gossypium sturtianum var. *sturtianum*			0.1	0.4	
Grevillea berryana	0.1	1.8	0.1	1.8	
Hibiscus burtonii	0.1	0.6	0.1	0.5	
Iseilema membranaceum			0.1	0.1	JIN133.09w
**Malvastrum americanum*			0.1	0.2	
Nicotiana rosulata			0.1	0.1	
Paspalidium clementii			0.1	0.3	JIN127.07w
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.1	3.5	0.1	3.5	
Polygala glaucifolia			0.1	0.1	JIN138.01w
Ptilotus exaltatus			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	
Senna glaucifolia	0.1	2	0.1	2	
Senna notabilis			0.1	0.1	
Sida ?sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2			
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	1.1	0.1	1.1	JIN107.01
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2	0.1	0.2	
Solanum lasiophyllum	0.1	0.2	0.1	0.2	
Sporobolus australasicus			0.1	0.1	
Triodia pungens	1	0.4	0.1	0.4	
Triodia vanleeuwenii	1	0.2	1	0.2	
Waltheria indica			0.1	0.1	


Phase 1


Phase 2

Jinidi F&V **Site JIN-139**

Date 31/10/2023 & 22/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

731696 mE; 7451663 mN

119.2609 E -23.027356 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus kingsmillii*, *Eucalyptus leucophloia* subsp. *leucophloia*, *Eucalyptus gamophylla*, *Corymbia hamersleyana* low open woodland over *Acacia hilliana, Gompholobium oreophilum* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.5	0.3	
Acacia hamersleyensis	0.1	0.5	0.1	0.5	
Acacia hilliana	0.5	0.2	0.5	0.2	
Afrohybanthus aurantiacus	0.1	0.4	0.1	0.4	
Amphipogon sericeus	0.1	0.3	0.1	0.2	
Codonocarpus cotinifolius	0.1	0.5	0.1	0.5	
Corchorus lasiocarpus	0.1	0.3	0.1	0.3	
Corymbia deserticola subsp. *deserticola*	0.1	2.6	0.1	2.6	
Corymbia hamersleyana	0.5	2.5	0.5	2.5	
Dampiera candicans	0.1	0.3	0.1	0.4	
Dodonaea lanceolata var. *lanceolata*	0.1	1.4	0.1	1.5	
Eriachne lanata	0.1	0.3	0.1	0.4	
Eriachne mucronata			0.1	0.1	
Eucalyptus gamophylla	0.5	2	0.5	2.2	
Eucalyptus kingsmillii	3	1.8	3	1.8	
Eucalyptus leucophloia subsp. *leucophloia*	1	4	1	4	
Fimbristylis dichotoma			0.1	0.2	
Gompholobium oreophilum	1	0.4	1	0.6	
Goodenia stobbsiana	0.1	0.3	0.1	0.3	
Goodenia triodiophila	0.1	0.2	0.1	0.4	
Hibiscus sturtii			0.1	0.2	JIN139.03w
Hibiscus sturtii var. *campylochlamys*			0.1	0.3	JIN139.02w
Indigofera monophylla			0.1	0.2	
Maytenus sp. Mt Windell (S. van Leeuwen 846)	0.1	0.3	0.2	0.8	
Petalostylis labicheoides	0.1	2	0.1	1.4	
Ptilotus calostachyus	0.1	0.4	0.1	0.4	
Scaevola browniana subsp. *browniana*	0.1	0.3	0.1	0.4	
Senna ferraria	0.1	1.1	0.1	1.4	
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	0.7			JIN107.01
Sida sp. Excedentifolia (J.L. Egan 1925)			0.1	0.3	JIN139.01w
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2			
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2	0.1	0.3	
Solanum phlomoides			0.1	0.3	
Triodia pungens	0.1	0.3	0.1	0.4	
Triodia vanleeuwenii	30	0.2	35	0.4	
Triodia wiseana	2	0.3	2	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-140**

Date 31/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

730131 mE; 7452147 mN

119.2455 E -23.023207 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia hamersleyensis*, *Acacia monticola*, *Petalostylis labicheoides* tall open shrubland over *Triodia pungens* mid open hummock grassland over *Themeda triandra* mid sparse tussock grassland with *Corymbia hamersleyana*, *Corymbia ferriticola*, *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.4	0.1	0.4	
Acacia catenulata subsp. *occidentalis*			0.1	3.5	
Acacia hamersleyensis	10	2.5	5	2.5	
Acacia monticola	6	2	5	2	
Acacia tumida var. *pilbarensis*	6	3.5	1	3.5	
Afrohybanthus aurantiacus			0.1	0.2	
Androcalva luteiflora	0.1	1.6	0.1	1.6	
Arivela viscosa			0.1	0.1	
Astrotricha hamptonii	0.1	1.6	0.1	1.6	
Cassytha capillaris	0.1	0.1			
Clerodendrum tomentosum var. *lanceolatum*	0.1	0.6	0.1	0.6	JIN140.03
Codonocarpus cotinifolius	0.1	0.5			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	
Corymbia ferriticola	2.5	2.3	2.5	2.3	
Corymbia hamersleyana	2	4.5	2	4.5	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Cyperus sp. Indet	0.1	0.4	0.1	0.4	JIN116.05
Dampiera candicans	0.1	0.5	0.1	0.5	
Dodonaea lanceolata var. *lanceolata*	0.5	2	0.5	2	JIN148.01
Dodonaea pachyneura	0.1	0.5	0.1	0.5	JIN116.01
Eragrostis eriopoda	0.1	0.2			
Eremophila latrobei subsp. *filiformis*	0.1	0.4	0.1	0.4	JIN163.01
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	1	5	1	5	
Euphorbia sp. indet (bi/tri)	0.1	0.15	0.1	0.15	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.2			
Ficus brachypoda	0.1	1	0.1	1	JIN116.02
Gastrolobium grandiflorum			0.1	0.7	
Gompholobium oreophilum	0.1	1.1	0.1	1.1	
Gossypium robinsonii	0.1	4.5	0.1	4.5	
Grevillea wickhamii	0.1	4	1	4	
Hibiscus sturtii var. *campylochlamys*			0.1	0.3	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.5	0.1	0.5	JIN116.06
Indigofera monophylla			0.1	0.3	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Jasminum didymum subsp. *lineare*	0.1	0.3	0.1	0.3	
Mirbelia viminalis	0.1	1.3	0.1	1.3	
Petalostylis labicheoides	7	4	5	4	
Santalum lanceolatum	1	3	3.5	3	
Senna artemisioides subsp. *oligophylla*	0.1	0.8	0.1	0.8	JIN146.01
Senna glutinosa subsp. *glutinosa*	0.1	0.8			
Senna glutinosa subsp. x *luerssenii*	0.1	0.6			
Sida arenicola	0.1	1.6	0.1	1.6	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.6	0.1	0.6	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.4			
Solanum horridum	0.1	0.2	0.1	0.2	
Solanum phlomoides	0.1	0.6	0.1	0.6	JIN140.01
Stylobasium spathulatum	0.1	1.7	0.1	1.7	
Themeda triandra	8	0.5	8	0.5	
Triodia pungens	25	0.6	25	0.6	



Phase 1



Phase 2

Jinidi F&V **Site JIN-143**

Date 18/09/2023 & 10/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Vanessa Yeomans, Ryan Woodhouse

Type Quadrats 50m x 50m

Location MGA Zone 50

728143 mE; 7455945 mN

119.2256 E -22.989193 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Acacia inaequilatera* low isolated shrubs over *Amphipogon sericeus* low isolated.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia hilliana	0.1	0.4	0.1	0.4	
Acacia inaequilatera	0.2	3	0.2	3.2	
Acacia trudgeniana	0.1	1.2	0.1	1.4	JIN143.01
Amphipogon sericeus	0.5	0.4	0.5	0.4	JIN045.01
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4			
Corymbia hamersleyana	0.1	5	0.1	5	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Goodenia triodiophila	0.1	0.3	0.1	0.3	
Hakea chordophylla	0.1	1.7	0.1	2	
Indigofera monophylla	0.1	0.2	0.1	0.3	
Ptilotus calostachyus	0.1	0.5	0.1	0.6	
Ptilotus rotundifolius	0.1	1	0.1	1	
Senna glutinosa subsp. *glutinosa*	0.1	1.8	0.1	1.2	
Senna glutinosa subsp. *pruinosa*	0.1	0.7	0.1	0.7	
Triodia vanleeuwenii	15	0.2	20	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-144**

Date 17/09/2023 & 10/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

728625 mE; 7456083 mN

119.2303 E -22.987887 S

Veg Condition Very Good

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia aptaneura*, *Acacia pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* mid isolated shrubs over *Triodia pungens* isolated clumps of hummock grasses with *Aristida inaequiglumis* low isolated tussock grasses with *Corymbia deserticola* subsp. *deserticola* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height (m)	
Abutilon lepidum			0.1	0.1	
Abutilon sp. Indet	0.1	0.3	0.2	0.2	
Acacia aptaneura	2	8	2	8	JIN167.02
Acacia bivenosa	0.1	1.7	0.1	2	
Acacia catenulata subsp. *occidentalis*	35	6	35	6	JIN144.08W
Acacia maitlandii			0.1	2.5	
Acacia pruinocarpa	12	7.5	12	7.5	
Acacia sibirica			0.1	1.5	JIN144.07W
Acacia tenuissima	0.1	1.8	0.1	1.8	
Amphipogon sericeus	0.1	0.1			
Androcalva luteiflora	0.1	2.3	0.1	2.3	
Aristida contorta	0.1	0.1	0.1	0.1	
Aristida inaequiglumis	0.5	0.4	0.5	0.2	
Arivela viscosa			0.5	0.2	
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.1	0.1	JIN256.05w
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Chrysopogon fallax	0.1	0.4	0.1	0.8	
Corymbia deserticola subsp. *deserticola*	1	4.5	1	4.5	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.3	0.1	0.8	
Digitaria ctenantha	0.1	0.3	0.1	0.3	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus	0.1	0.5	0.1	0.5	
Enneapogon polyphyllus			0.2	0.2	JIN083.09W
Eremophila forrestii subsp. *forrestii*	0.5	1.3	0.5	1.3	
Eremophila latrobei subsp. *filiformis*	0.1	1.7	0.1	1.7	
Eremophila longifolia	0.1	1.1	0.1	1.1	
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eulalia aurea			0.1	0.3	JIN144.04W
Euphorbia australis var. *subtomentosa*			0.1	0.1	JIN256.11w
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	
Euphorbia trigonosperma			0.2	0.3	
Euploca inexplicita			0.1	0.1	JIN144.10W

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height (m)	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.2	0.2	
Gossypium australe			0.2	0.2	JIN144.15W
Gossypium robinsonii			0.1	0.1	
Hibiscus burtonii	0.1	0.2	0.5	0.2	
Hibiscus coatesii			0.1	0.3	JIN144.05W
Hibiscus sturtii var. *campylochlamys*	0.1	0.2	0.1	0.1	
Indigofera georgei			0.1	0.1	JIN256.04
Iseilema membranaceum			0.1	0.2	JIN144.12W
Maireana villosa	0.5	0.3	0.5	0.3	JIN144.01
Perotis rara			0.1	0.1	
Pluchea dentex			0.1	0.2	JIN144.14W
Portulaca oleracea			0.1	0.1	JIN144.09W
Pterocaulon sphacelatum	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	1.2			
Ptilotus exaltatus	0.1	0.4	0.1	0.1	
Ptilotus gaudichaudii			0.5	0.2	JIN144.11W
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.5	0.2	
Ptilotus sp. Indet			0.1	0.1	JIN144.17W
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	1.5	0.1	1.8	
Senna artemisioides subsp. *oligophylla*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. *glutinosa*			0.1	1.5	
Senna glutinosa subsp. x *luerssenii*	0.1	1	0.1	1	
Senna notabilis			0.1	0.2	
Sida ectogama	0.1	1			
Sida sp. L (A.M. Ashby 4202)	0.1	0.2			
Solanum horridum	0.1	0.3	0.1	0.3	
Solanum lasiophyllum	0.1	0.3			JIN088.01
Sporobolus australasicus			0.1	0.1	JIN144.13W
Tephrosia sp. Newman (A.A. Mitchell PRP 29)			0.1	0.1	JIN144.16w
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	1.5	0.4	1.5	0.4	
Triodia vanleeuwenii	0.1	0.2	0.1	0.2	


Phase 1


Phase 2

Jinidi F&V **Site JIN-145**

Date 18/09/2023 & 10/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

728256 mE; 7455348 mN

119.2268 E -22.994573 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low sparse trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia bivenosa	0.1	1	0.1	1	
Amphipogon sericeus	0.1	0.2	0.1	0.2	JIN045.01
Corchorus lasiocarpus subsp. *parvus*	0.1	0.1			
Dodonaea coriacea	0.1	0.5	0.1	0.5	JIN145.01
Eriachne mucronata			0.1	0.2	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	2.5	5	3	6	
Euploca sp. Indet			0.1	0.1	JIN145.02w
Goodenia stobbsiana	0.1	0.1	0.1	0.1	
Goodenia triodiophila			0.1	0.2	
Indigofera monophylla	0.1	0.1	0.1	0.2	
Ptilotus astrolasius	0.1	0.1			
Ptilotus calostachyus	0.1	0.2			
Ptilotus clementii	0.1	0.1			JIN015.04
Ptilotus exaltatus	0.1	0.1			
Ptilotus rotundifolius	0.1	0.5	0.1	0.7	
Senna glutinosa subsp. *glutinosa*	0.1	1.3	0.1	1.5	
Senna glutinosa subsp. *pruinosa*	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. x *luerssenii*	0.1	0.8	0.1	1.2	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.1			
Solanum lasiophyllum	0.1	0.4	0.1	0.5	
Tribulus suberosus	0.1	0.3	0.1	0.4	
Triodia pungens	0.1	0.3	0.1	0.4	
Triodia vanleeuwenii	12	0.1	18	0.1	
Triodia wiseana	23	0.2	23	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-146**

Date 28/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

727127 mE; 7454196 mN

119.2159 E -23.005127 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Senna glutinosa* subsp. *pruinosa* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.1	0.3	
Acacia arida	0.1	0.2	0.1	0.25	
Acacia bivenosa	0.1	0.4	0.1	0.4	
Acacia spondylophylla	0.1	0.2			JIN146.03
Amphipogon sericeus	0.1	0.2	0.1	0.1	
Dolichocarpa crouchiana			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	2.5	4.5	2.5	4.5	
Gompholobium oreophilum	0.1	0.4	0.1	0.2	
Goodenia stobbsiana	0.1	0.3			
Goodenia triodiophila			0.1	0.1	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.8			
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	1.3	0.1	1.3	JIN146.01
Senna glutinosa subsp. *glutinosa*	0.1	0.5	0.1	0.5	
Senna glutinosa subsp. *pruinosa*	0.5	1.2	0.1	0.1	
Senna glutinosa subsp. x *luerssenii*			0.1	0.8	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.1	0.1	0.1	
Stylobasium spathulatum	0.1	1.5	0.1	1.5	JIN146.02
Triodia vanleeuwenii	28	0.1	28	0.1	
Triodia wiseana	10	0.3	10	0.3	



Phase 1



Phase2

Jinidi F&V **Site JIN-148**

Date 28/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 100m x 25m

Location MGA Zone 50

729174 mE; 7453427 mN

119.2360 E -23.011782 S

Veg Condition Very Good

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides*, *Santalum lanceolatum* tall shrubland over *Themeda triandra*, *Eriachne mucronata* mid open tussock grassland with *Corymbia hamersleyana* low isolated trees over *Stylobasium spathulatum*, *Dodonaea lanceolata* var. *lanceolata* mid isolated shrubs over *Triodia pungens* low isolated hummock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	2.2	0.1	1	
Acacia adoxa var. *adoxa*			0.1	0.4	JIN148.05
Acacia aptaneura	0.1	0.4			
Acacia arida	0.1	1.7	0.1	0.4	
Acacia monticola	0.1	1.7	0.1	1.7	
Acacia pyrifolia var. *pyrifolia*	0.5	2	0.5	2.1	
Acacia tumida var. *pilbarensis*	40	4	40	4	
Afrohybanthus aurantiacus			0.1	0.3	
Alternanthera nana			0.1	0.1	
Androcalva luteiflora	0.1	1.4	0.1	1.4	
Aristida contorta	0.1	0.2			
Aristida holathera var. *holathera*	0.1	0.3	0.1	0.3	
Arivela viscosa			0.1	0.1	
Capparis lasiantha			0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.8			
Corymbia hamersleyana	2	5	2	5	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.5	0.1	0.3	
Dodonaea lanceolata var. *lanceolata*	0.5	1.4	0.5	1.4	JIN148.01
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.3	0.1	0.3	
Eremophila longifolia	0.1	1.7	0.1	1.5	
Eriachne lanata	0.1	0.3	0.1	0.2	
Eriachne mucronata	0.5	0.3	0.5	0.3	JIN148.02
Eucalyptus gamophylla			0.1	2	
Eucalyptus leucophloia subsp. *leucophloia*			0.1	4	
Euphorbia biconvexa			0.1	0.2	
Euphorbia tannensis subsp. *eremophila*			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Gossypium robinsonii	1	4	1	4	
Grevillea wickhamii	0.1	5	0.1	5	
Hibiscus sturtii var. *campylochlamys*	0.1	0.4	0.1	0.3	
Indigofera fractiflexa subsp. *fractiflexa*			0.1	0.6	JIN148.05w

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Indigofera georgei	0.1	0.4	0.1	0.8	JIN148.04w
Indigofera monophylla	0.1	0.4	0.1	0.4	
Jasminum didymum subsp. *lineare*	0.1	1.4	0.1	1.2	
Nellica maderaspatensis			0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium sp. Indet			0.1	0.1	
Petalostylis labicheoides	4	5.5	4	5.5	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus helipteroides			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhagodia eremaea			0.1	1	
Rhynchosia minima			0.1	0.1	
Salsola australis	0.1	0.3	0.1	0.2	
Santalum lanceolatum	1.5	3	0.1	2	
Scaevola parvifolia subsp. *pilbarae*			0.1	0.2	
Senna artemisioides subsp. *oligophylla*	0.1	1.2	0.1	1.2	
Senna glaucifolia	0.1	1.2	0.1	1.2	JIN146.01
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna notabilis			0.1	0.1	
Sida ?sp. L (A.M. Ashby 4202)	0.1	0.2			
Solanum phlomoides	0.1	0.3	0.1	0.3	
Stylobasium spathulatum	2.5	1.4	2	1.4	
Tephrosia ?*densa*			0.1	0.1	JIN148.03w
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.8	0.1	0.1	
Themeda triandra	15	0.6	15	0.6	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	0.5	0.5	0.5	0.5	
Waltheria indica	0.1	0.4			


Phase 1


Phase 2

Jinidi F&V **Site JIN-149**

Date 28/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

728686 mE; 7452671 mN

119.2313 E -23.018676 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low open hummock grassland with *Acacia arida*, *Acacia pruinocarpa* low to mid open shrubland with *Corymbia deserticola* subsp. *deserticola*, *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	8	0.8	8	0.8	
Acacia pruinocarpa	1.5	1	1.5	1	
Acacia sibirica	0.1	0.3	0.1	0.3	JIN149.01
Amphipogon sericeus	0.1	0.1	0.1	0.1	
Amyema sanguinea var. *pulchra*	0.1	0.1	0.1	0.1	
Aristida holathera var. *holathera*	0.1	0.2			
Bulbostylis barbata			0.1	0.1	
Codonocarpus cotinifolius	0.1	2	0.1	2	
Corchorus lasiocarpus subsp. *parvus*	0.5	1.3	0.5	1.3	JIN149.04W
Corymbia deserticola subsp. *deserticola*	1.5	6	1.5	6	
Dampiera candicans			0.1	0.1	
Eremophila latrobei subsp. *latrobei*	0.1	0.8	0.1	0.8	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	2.5	0.5	2.5	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Gompholobium oreophilum	0.1	0.3			
Goodenia stobbsiana	0.1	0.1	0.1	0.1	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.5	3	0.5	3	
Hibiscus sturtii var. *campylochlamys*			0.1	0.1	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Leichhardtia australis	0.1	0	0.1	0	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.1	0.1	0.3	
Ptilotus exaltatus			0.1	0.1	
Santalum lanceolatum	0.1	1	0.1	1	
Scaevola browniana subsp. *browniana*			0.1	0.1	
Senna ferraria	0.1	1.5	0.1	1.5	JIN146.01
Senna glutinosa subsp. x *luerssenii*			0.1	0.2	
Sida arenicola			0.1	0.5	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2	0.1	0.2	
Solanum lasiophyllum			0.1	0.4	
Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)			0.1	0.1	JIN149.03W
Triodia pungens			0.1	0.1	
Triodia vanleeuwenii	8	0.2	10	0.2	
Triodia wiseana	1.5	0.2	4	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-151**

Date 17/09/2023 & 27/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

727041 mE; 7452428 mN

119.2153 E -23.021092S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Moderate (3 to 5 yr)

Habitat Stony Plain

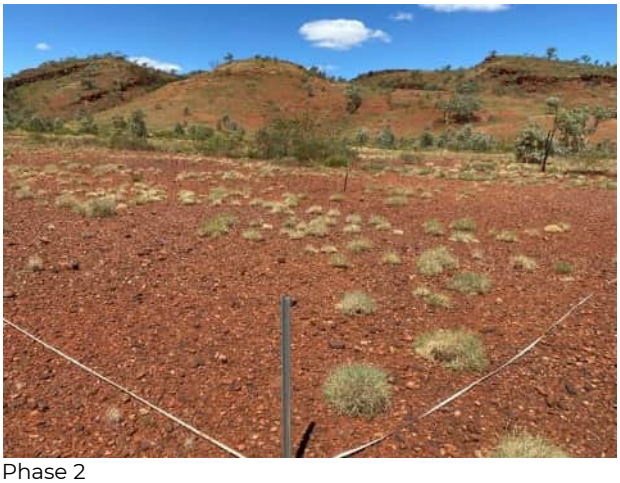
Vegetation *Triodia vanleeuwenii*, *Triodia wiseana*, *Triodia pungens* low sparse hummock grassland with *Senna glutinosa* subsp. *glutinosa*, *Senna glutinosa* subsp. x *luerssenii*, *Senna glutinosa* subsp. *pruinosa* low isolated shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0.9	0.1	1	
Amphipogon sericeus	0.1	0.3	0.1	0.3	JIN045.01
Aristida contorta	0.1	0.2	0.1	0.2	
Aristida holathera var. *holathera*	0.1	0.3	0.1	0.3	
Arivela viscosa			0.1	0.1	
Bulbostylis barbata	0.1	0.1			
Capparis lasiantha			0.1	0.6	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.7	
Duperreya commixta			0.1	0.1	
Enneapogon caerulescens			0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eriachne mucronata	0.1	0.3	0.1	0.3	JIN037.13
Eriachne pulchella subsp. *dominii*			0.1	0.2	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	6	0.1	6	
Euphorbia trigonosperma			0.1	0.3	
Goodenia microptera			0.1	0.1	
Gossypium robinsonii	0.1	3	0.1	3.3	
Hakea chordophylla	0.1	0.7	0.1	0.7	
Indigofera monophylla	0.1	0.2	0.1	0.5	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.2	
Paraneurachne muelleri	0.1	0.4	0.1	0.4	
Paspalidium clementii			0.1	0.1	JIN255.04w
Petalostylis labicheoides	0.1	2.3	0.1	2.3	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus	0.1	0.6	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.5	
Senna artemisioides subsp. *oligophylla*			0.1	0.2	
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1.3	
Senna glutinosa subsp. *pruinosa*	0.1	1.2	0.1	1.3	
Senna glutinosa subsp. x *luerssenii*	0.1	1.3	0.1	1.3	
Senna notabilis			0.1	0.1	
Sida arenicola	0.1	1	0.1	0.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.6	0.1	0.6	
Solanum lasiophyllum	0.1	0.3	0.1	0.5	
Stylobasium spathulatum	0.1	1.7	0.1	2.2	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)			0.1	0.3	
Tribulus hirsutus			0.1	0.1	
Triodia pungens	1	0.5	2	0.6	
Triodia vanleeuwenii	10	0.2	10	0.2	
Triodia wiseana	1	0.3	2	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-152**

Date 31/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

727870 mE; 7452405mN

119.2234E -23.021190 S

Veg Condition Excellent

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Acacia arida* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. adoxa	0.1	0.2	0.1	0.2	
Acacia arida	4	0.4	4	0.4	
Acacia pachyacra			0.1	1.1	
Amphipogon sericeus	0.5	0.2	0.5	0.2	
Bonamia pilbarensis	0.1	0.1			
Corchorus lasiocarpus subsp. parvus	0.1	0.3	0.1	0.3	JIN152.01W
Corymbia hamersleyana			0.1	0.2	
Cymbopogon ambiguus			0.1	0.2	
Eriachne lanata	0.1	0.2	0.1	0.2	
Eriachne mucronata			0.1	0.2	
Eucalyptus gamophylla	0.1	1.5	0.1	1.5	
Eucalyptus leucophloia subsp. leucophloia	2.5	4	2.5	4	
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia stobbsiana	0.1	0.3	0.1	0.1	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.1	2.3	0.1	2.3	
Petalostylis labicheoides	0.1	2	0.1	2	
Ptilotus calostachyus	0.1	0.5			
Santalum lanceolatum	0.1	1.6	0.1	1.6	
Scaevola browniana subsp. browniana	0.1	0.2	0.1	0.2	
Senna artemisioides subsp. oligophylla	0.1	0.8			JIN146.01
Senna ferraria			0.1	0.9	
Senna glutinosa subsp. glutinosa	0.1	1.4	0.1	1.4	
Seringia exastia	0.1	0.6	0.1	0.6	
Sida arenicola	0.1	1	0.1	1	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.4	0.1	0.4	
Solanum centrale			0.1	0.1	JIN152.02W
Trianthema glossostigmum	0.1	0.1	0.1	0.1	
Triodia pungens	0.1	0.3	0.1	0.3	
Triodia vanleeuwenii	25	0.15	25	0.15	
Triodia wiseana	0.1	0.3	0.1	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-154**

Date 29/10/2023

Described by Ryan Woodhouse, Eva Karikis & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

722885 mE; 7449578 mN

119.1752 E -23.047382 S

Veg Condition Excellent

Soil Sand

Rock Type Detritals (ironstone and calcrete)

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana*, *Triodia angusta* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia bivenosa* low isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.5	1	0.5	1	
Amyema sanguinea var. *sanguinea*	0.1	0.1	0.1	0.1	
Cymbopogon ambiguus			0.1	0.1	
Eremophila latrobei	0.1	1.1	0.1	1.1	
Eriachne mucronata	0.1	0.2	0.1	0.2	JIN216.2
Eucalyptus leucophloia subsp. *leucophloia*	2	7	2	7	
Euploca ovalifolia			0.1	0.1	JIN225.01W
Hakea chordophylla	0.1	2	0.1	2	
Jasminum didymum subsp. *lineare*	0.1	0.5	0.1	0.5	
Petalostylis labicheoides			1	0.4	
Ptilotus obovatus var. *obovatus*	0.1	0.2	0.1	0.2	
Senna glutinosa subsp. *glutinosa*	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. x *luerssenii*	0.1	1	0.1	1	
Tephrosia virens			0.1	0.1	
Tribulus hirsutus			0.1	0.1	
Triodia angusta	4	0.2	4	0.2	
Triodia wiseana	50	0.3	46	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-156**

Date 29/10/2023 & 12/03/2024

Described by Sam Coultas & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 100m x 25m

Location MGA Zone 50

722722 mE; 7451241 mN

119.1734 E -23.032391 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Footslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Acacia inaequilatera* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.3	
Acacia arida	0.1	0.4	0.1	0.4	
Acacia inaequilatera	2	2.5	2	2.5	
Acacia pruinocarpa	0.1	1	0.1	1	
Acacia spondylophylla	0.1	0.3	0.1	0.5	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Aristida sp. Indet			0.1	0.1	
Bonamia pilbarensis			0.1	0.3	JIN156.02w
Codonocarpus cotinifolius			0.1	0.8	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.6	0.1	0.6	JIN156.04w
Eriachne mucronata	0.1	0.4	0.1	0.4	
Euploca ?inexplicita			0.1	0.1	JIN156.01w
Goodenia cusackiana	0.1	0.3	0.1	0.3	
Goodenia triodiophila			0.1	0.3	
Indigofera monophylla			0.1	0.3	
Ptilotus calostachyus	0.1	0.6	0.1	0.6	
Ptilotus exaltatus			0.1	0.1	
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1	
Senna glutinosa subsp. *pruinosa*			0.1	0.7	
Tephrosia sp. Newman (A.A. Mitchell PRP 29)			0.1	0.1	JIN156.03w
Triodia pungens	0.1	0.4	0.1	0.4	
Triodia vanleeuwenii	32	0.3	35	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-157**

Date 31/10/2023 & 10/03/2024

Described by Ryan Woodhouse, Eva Karikis & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

728175 mE; 7452027 mN

119.2265 E -23.024561 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Senna glutinosa* subsp. *pruinosa* mid isolated shrubs over *Acacia hilliana* low isolated.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.2	0.2	0.1	0.2	
Acacia arida	0.1	0.2	0.1	0.4	
Acacia bivenosa	0.1	1	0.1	1	
Acacia hilliana	0.1	0.2	0.5	0.2	
Acacia tenuissima	0.1	0.1	0.1	0.1	JIN217.03
Amphipogon sericeus			0.1	0.1	
Dodonaea coriacea	0.1	0.4	0.1	0.4	JIN217.04
Duperreya commixta	0.1	0.1	0.1	0.1	JIN135.1
Eriachne lanata	0.1	0.1	0.1	0.2	
Eriachne mucronata	0.1	0.1	0.1	0.1	JIN216.2
Eucalyptus leucophloia subsp. *leucophloia*	0.5	6	0.5	6	
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia cusackiana	0.1	0.1	0.1	0.1	JIN193.7
Goodenia stobbsiana	0.1	0.1			
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.2	4.5	0.5	4.5	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Paraneurachne muelleri	0.1	0.1	0.1	0.1	
Ptilotus calostachyus	0.1	0.2			
Senna ferraria	0.1	0.3	0.1	0.5	
Senna glutinosa subsp. *glutinosa*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *pruinosa*	0.2	1	0.5	1.5	
Sida sp. L (A.M. Ashby 4202)	0.1	0.3			
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.1			
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.1	0.1	0.1	
Triodia pungens	0.1	0.2	0.1	0.2	
Triodia vanleeuwenii	30	0.2	30	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-158**

Date	28/10/2023 & 10/03/2024
Described by	Sam Coultas, Rylan Cunnane
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	728880 mE; 7451989 mN
	119.2333 E -23.024804 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Gully
Vegetation	*Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides* tall open shrubland over *Triodia pungens* low sparse hummock grassland with *Themeda triandra*, *Eriachne mucronata* low sparse tussock grassland with *Corymbia ferriticola* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	2.4			
Acacia catenulata subsp. *occidentalis*	0.5	4.5	0.5	3	
Acacia hamersleyensis	0.1	1.8	0.1	1.8	
Acacia monticola	0.1	2.6	0.1	2.6	
Acacia tumida var. *pilbarensis*	14	4	14	4	
Androcalva luteiflora	0.1	1.4	0.1	1.4	
Astrotricha hamptonii	0.1	2	0.1	2	
Capparis lasiantha	0.1	0.3	0.1	0.3	
Clerodendrum tomentosum var. *lanceolatum*			0.1	0.3	
Corymbia ferriticola	2	4.5	2	4.5	
Corymbia hamersleyana	0.1	4.5	0.1	4.5	
Cymbopogon ambiguus	0.1	0.5	0.1	0.5	
Dodonaea pachyneura	0.1	1.2	0.1	1.2	
Dodonaea viscosa subsp. *mucronata*	0.1	1.2	0.1	1.2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne lanata	0.1	0.4	0.1	0.4	
Eriachne mucronata	1	0.4	1	0.4	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	0.5	1	0.5	
Euphorbia sp. indet (bi/tri)			0.1	0.1	
Ficus brachypoda	0.5	4	0.5	4	
Gastrolobium grandiflorum	0.1	2.4	0.1	2.4	
Gompholobium oreophilum	0.1	0.3			
Gossypium robinsonii	0.1	2.5	0.1	2.5	
Grevillea wickhamii	0.1	2.5			
Indigofera fractiflexa subsp. *fractiflexa*	0.1	1	0.1	1	
Petalostylis labicheoides	1	2.8	1	2.8	
Ptilotus obovatus var. *obovatus*	0.1	0.4			
Santalum lanceolatum			0.1	2	
Sesbania cannabina			0.1	0.2	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.2	0.1	0.2	
Stylobasium spathulatum	0.1	1.2			
Themeda triandra	8	0.5	8	0.5	
Triodia pungens	6	0.4	6	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-159**

Date	28/10/2023 & 9/03/2024
Described by	Sam Coultas, Rylan Cunnane
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	730969 mE; 7454961 mN
	119.2533 E -22.997689 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	BIF
Fire Age	Moderate (3 to 5 yr)
Habitat	Hillslope
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Acacia arida* mid to low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* (landscape), *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia arida	2	0.8	2	0.8	
Acacia bruinocarpa	0.5	1	0.5	1	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Aristida contorta	0.1	0.2			
Calytrix carinata			0.1	0.2	
Clerodendrum floribundum var. *angustifolium*			0.1	0.5	
Corchorus lasiocarpus	0.1	0.5	0.1	0.5	
Corymbia hamersleyana	0.1	1.1	0.1	1.1	
Eremophila exilifolia	0.1	0.4	0.1	0.4	
Eremophila latrobei subsp. *latrobei*	0.1	0.4	0.1	0.4	
Eriachne mucronata	0.1	0.2			
Eriachne pulchella	0.1	0.1			
Eucalyptus gamophylla	0.1	2.5	0.1	2.5	
Gompholobium oreophilum	0.1	0.3			
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.5	2.6	0.5	2.6	
Indigofera monophylla	0.1	0.4	0.1	0.4	
Leichhardtia australis			0.1	0.1	
Ptilotus calostachyus	0.1	0.4			
Scaevola browniana subsp. *browniana*	0.1	0.2	0.1	0.2	
Senna glaucifolia			0.1	0.7	
Sida ?arenicola	0.1	0.4			
Triodia pungens	0.1	0.4	0.1	0.4	
Triodia vanleeuwenii	31	0.2	31	0.2	
Triodia wiseana	0.1	0.3	0.1	0.3	


Phase 1


Phase 2

Jinidi F&V **Site JIN-160**

Date 28/10/2023 & 10/03/2024

Described by Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

730651 mE; 7452978 mN

119.2505 E -23.015635 S

Veg Condition Excellent

Soil Sandy Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Acacia hilliana*, *Acacia adoxa* var. *adoxa* low open shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.3	0.3	0.3	0.3	
Acacia arida	0.2	0.3	0.1	0.5	
Acacia hilliana	0.3	0.5	0.3	0.5	
Acacia pyrifolia var. *pyrifolia*	0.1	0.4	0.1	1	
Amphipogon sericeus	0.1	0.1			JIN170.03
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.3	
Corymbia hamersleyana	0.2	4	0.2	4	
Cymbopogon ambiguus	0.1	0.3			
Dampiera candicans	0.1	0.3			JIN082.02
Dodonaea coriacea			0.1	0.3	
Eriachne pulchella			0.1	0.1	
Eucalyptus gamophylla	0.1	3	0.1	3	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	4	0.1	2.5	
Euphorbia tannensis subsp. *eremophila*			0.1	0.3	
Fimbristylis dichotoma	0.1	0.1	0.1	0.2	
Gompholobium oreophilum	0.1	0.4	0.1	0.4	
Goodenia stobbsiana	0.1	0.3			
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Gossypium robinsonii	0.1	1.2	0.1	1.2	
Hakea chordophylla	0.1	3	0.1	3.2	
Hibiscus sturtii var. *campylochlamys*			0.1	0.2	
Indigofera monophylla			0.1	0.2	
Ptilotus calostachyus	0.1	0.3	0.1	0.1	
Santalum lanceolatum	0.1	1.2	0.1	1.2	
Schizachyrium fragile			0.1	0.1	JIN160.01w
Senna ferraria	0.1	1.3	0.1	1.3	
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1	
Senna glutinosa subsp. x *luerssenii*	0.1	0.3	0.1	0.3	
Solanum phlomoides			0.1	0.3	
Triodia vanleeuwenii	40	0.3	40	0.2	
Triodia wiseana	1	0.5	0.5	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-161**

Date 30/10/2023 & 8/03/2024

Described by Sam Coultas, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

732546 mE; 7456143 mN

119.2685 E -22.986801 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Medium Drainage Line

Vegetation *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides*, *Gossypium robinsonii* tall open shrubland over *Themeda triandra*, *Themeda* sp. Mt Barricade (M.E. Trudgen 2471) low sparse tussock grassland with *Corymbia hamersleyana*, *Ficus brachypoda*, *Corymbia ferriticola* (landscape) low isolated trees over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low isolated shrubs over isolated annual herbs and tussock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon ?fraseri	0.1	0.2	0.2	0.2	
Abutilon ?lepidum	0.1	0.2	0.1	0.2	
Abutilon amplum			0.1	0.3	
Acacia arida	0.1	1.2	0.1	1.2	
Acacia bivenosa	0.1	1			
Acacia pruinocarpa	0.1	0.3	0.1	1	
Acacia pyrifolia var. *pyrifolia*	0.1	0.6	0.1	0.6	
Acacia tumida var. *pilbarensis*	15	3.5	15	3.5	
Acrachne racemosa			0.1	0.4	JIN161.01W
Afrohybanthus aurantiacus	0.1	0.4	0.1	0.4	
Alternanthera nana	0.1	0.2	0.1	0.2	
Androcalva luteiflora	0.1	0.7	0.1	0.7	
Arivela viscosa	0.5	0.4	0.5	0.4	
Capparis lasiantha	0.1	0.4	0.1	0.4	
**Cenchrus ciliaris*	1	0.6	1	0.6	
Clerodendrum floribundum var. *angustifolium*	0.1	1.2			
Corchorus lasiocarpus	0.1	0.4	0.1	0.4	
Corymbia hamersleyana	2	8	2	8	
Cymbopogon ambiguus	0.1	0.5	0.1	0.5	
Dodonaea lanceolata var. *lanceolata*	0.1	1	0.1	1	
Dodonaea viscosa subsp. *mucronata*	0.1	0.6	0.1	0.6	
Dolichocarpa crouchiana	0.1	0.2			
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya subsp. *rhadinostachya*	0.1	0.2			
Enneapogon caerulescens	0.1	0.2			
Enneapogon lindleyanus			0.1	0.4	
Eriachne mucronata	0.1	0.4	0.1	0.4	
Eriachne tenuiculmis			0.1	0.5	JIN161.03W
Euphorbia biconvexa	0.1	0.1	0.1	0.1	
Evolvulus alsinoides var. *decumbens*	0.1	0.1			
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Ficus brachypoda	2	4	2	4	
Gomphrena cunninghamii	0.1	0.2			

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Goodenia stobbsiana	0.1	0.2			
Gossypium robinsonii	0.1	2.5	0.1	2.5	
Grevillea wickhamii	0.1	0.6	0.1	0.6	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.4	0.1	0.4	
Jasminum didymum subsp. *lineare*	0.1	1.5	0.1	1.5	
Paraneurachne muelleri			0.1	0.3	
Petalostylis labicheoides	0.5	3	0.5	3	
Polycarpaea longiflora	0.1	0.1			
Prostanthera albiflora			0.1	0.4	
Pterocaulon sphaeranthoides	0.1	0.4			
Ptilotus astrolasius	0.1	0.2			
Ptilotus calostachyus	0.1	0.5			
Ptilotus fusiformis	0.1	0.2			
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhynchosia minima			0.1	0.1	
Senna glutinosa subsp. *glutinosa*	0.1	0.6	0.1	0.6	
Senna notabilis	0.1	0.3	0.1	0.3	
Stylobasium spathulatum	0.1	1.5	0.1	1.5	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker	0.5	0.5	0.5	0.5	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	1	0.4	1	0.4	
Themeda triandra	4	0.6	4	0.6	
Trachymene oleracea subsp. *oleracea*	0.1	0.1			
Trichodesma zeylanicum var. *zeylanicum*	0.1	0.1	0.1	0.1	
Triodia pungens	0.1	0.3	0.1	0.3	
Urochloa distachyos			0.1	0.3	JIN161.02W
Waltheria indica	0.1	0.2	0.1	0.2	


Phase 1


Phase 2

Jinidi F&V **Site JIN-162**

Date 14/09/2023 & 8/03/2024

Described by Emma Marsh, Emalyn Loudon & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

730071 mE; 7457910 mN

119.2441 E -22.971197 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation Triodia vanleeuwenii low open hummock grassland with Eucalyptus leucophloia subsp. leucophloia low isolated trees over Acacia bivenosa low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia ancistrocarpa	0.1	1.2	0.1	1.2	
Acacia bivenosa	1	1.2	0.5	1.2	
Acacia colei	0.1	1.8	0.1	1.8	
Acacia pruinocarpa	0.1	1.5	0.1	0.9	
Acacia tetragonophylla	0.1	1.6	0.1	1.6	
Amphipogon sericeus	0.1	0.2			
Aristida holathera var. *holathera*			0.1	0.1	
Corchorus sp. Indet	0.1	0.4	0.1	0.3	
Cymbopogon ambiguus	0.1	0.3	0.1	0.3	
Enneapogon caerulescens	0.1	0.2	0.1	0.1	
Enneapogon polyphyllus			0.1	0.1	
Eremophila ?latrobei			0.1	0.4	
Eremophila cuneifolia	0.1	0.2	0.1	0.2	
Eremophila latrobei subsp. *filiformis*	0.1	0.3	0.1	0.8	
Eremophila longifolia	0.1	1	0.1	0.8	
Eremophila platycalyx subsp. *pardalota*	0.1	0.2			JIN096.04
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	1.5	10	1.5	10	
Fimbristylis dichotoma	0.1	0.1			
Grevillea wickhamii	0.1	1.2	0.1	1.2	
Hibiscus sturtii var. *campylochlamys*	0.1	0.2	0.1	0.1	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Paraneurachne muelleri	0.1	0.2			
Psydrax suaveolens	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.3			
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.6	0.1	1.6	
Senna glutinosa subsp. *pruinosa*	0.1	0.5	0.1	0.5	
Senna glutinosa subsp. x *luerssenii*	0.1	0.9	0.1	1	
Sida arenicola	0.1	1			
Solanum horridum	0.1	0.2			
Solanum phlomoides	0.1	0.3	0.5	0.1	JIN088.01
Solanum sp. Indet			0.1	0.2	
Tribulus suberosus	0.1	0.8	0.1	0.5	
Triodia pungens	0.1	0.2	0.1	0.4	
Triodia vanleeuwenii	20	0.2	25	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-163**

Date 30/10/2023 & 8/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

731021 mE; 7457144 mN

119.2535 E -22.977980 S

Veg Condition Good

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation Triodia vanleeuwenii, Triodia pungens low open hummock grassland with Eucalyptus gamophylla low isolated mallee trees over Acacia ancistrocarpa, Acacia arida, Acacia bivenosa mid isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adsurgens			0.1	0.5	
Acacia ancistrocarpa	0.5	1.8	0.5	1.8	
Acacia arida	0.5	1.2	0.5	1.2	
Acacia bivenosa	2	1	2	1	
Acacia inaequilatera	0.1	1.7	0.1	1.7	
Acacia sibirica	0.1	0.3	0.1	0.3	JIN149.01
Acacia tenuissima	0.1	0.2	0.1	0.2	JIN218.02
Acacia trudgeniana	0.1	0.7	0.1	0.7	JIN163.02
Afrohybanthus aurantiacus			0.1	0.4	
Amphipogon sericeus	0.1	0.3			
Androcalva luteiflora	0.1	1.7	0.1	1.7	
Aristida contorta	0.1	0.1			
Aristida holathera var. *holathera*	0.1	0.2			
Bonamia erecta	0.1	0.1	0.1	0.3	
**Cenchrus ciliaris*	0.1	0.3			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.5	
Cymbopogon ambiguus	0.1	0.2			
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus	0.1	0.3	0.1	0.4	
Enneapogon polyphyllus			0.1	0.1	
Eremophila latrobei subsp. *filiformis*	0.1	0.6	0.1	0.6	JIN163.01
Eriachne mucronata			0.1	0.4	
Eucalyptus gamophylla	3.5	3	3.5	3	
Gompholobium oreophilum	0.1	0.8			
Grevillea wickhamii	0.1	1.8	0.1	1.8	
Hibiscus sturtii var. *campylochlamys*	0.1	0.3	0.1	0.3	
Indigofera monophylla	0.1	0.2	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1.6	0.1	1.6	
Leichhardtia australis			0.1	0.1	
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Petalostylis labicheoides	0.1	1.3	0.1	1.3	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.8	0.1	0.3	
Ptilotus exaltatus	0.1	0.2			
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Santalum lanceolatum	0.1	2	0.1	1	
Scaevola parvifolia subsp. *pilbarae*	0.1	0.3	0.1	0.3	
Senna artemisioides subsp. *helmsii*	0.1	0.5	0.1	0.5	
Senna artemisioides subsp. *oligophylla*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *glutinosa*	0.1	1.3	0.1	1.3	
Senna glutinosa subsp. x *luerssenii*			0.1	0.5	
Senna notabilis			0.1	0.1	
Sida arenicola	0.1	1	0.1	1	JIN101.04w
Solanum lasiophyllum	0.1	0.4	0.1	0.3	
Triodia pungens	6	0.3	6	0.3	
Triodia vanleeuwenii	16	0.2	16	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-165**

Date 31/10/2023 & 22/03/2024

Described by Emma Marsh, Grace Taylor & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

734651 mE; 7452124 mN

119.2896 E -23.022784 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus gamophylla* low open mallee woodland over *Acacia hilliana*, *Acacia adoxa* var. *adoxa* low isolated shrubs over *Goodenia cusackiana* low isolated herbs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.5	0.4	0.5	0.4	
Acacia hilliana	2	0.3	2	0.4	
Acacia pyrifolia var. *pyrifolia*	0.1	1.6	0.1	1	
Acacia steedmanii subsp. *borealis*	0.1	1.5	0.1	1.5	JIN165.02
Amphipogon sericeus	0.1	0.2	0.1	0.1	
Androcalva luteiflora	0.1	1.5			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.3	0.1	0.3	
Corchorus sp. Indet			0.1	0.1	JIN165.04W
Cymbopogon ambiguus	0.1	0.2			
Dampiera candicans	0.1	0.3	0.1	0.2	
Eriachne mucronata			0.1	0.2	JIn165.08w
Eucalyptus gamophylla	3.5	1.7	5	1.7	
Eucalyptus kingsmillii	0.1	1.4	0.1	1.5	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	3	0.5	3	
Fimbristylis dichotoma	0.1	0.2	0.5	0.3	
Goodenia cusackiana	0.5	0.2	0.1	0.2	JIN165.01
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.1	0.8	0.1	0.8	
Hibiscus sturtii	0.1	0.3	0.1	0.2	
Indigofera monophylla	0.1	0.4	0.1	0.4	
Paspalidium clementii			0.1	0.1	JIn165.08w
Ptilotus calostachyus	0.1	0.8			
Ptilotus exaltatus			0.1	0.1	
Schizachyrium fragile			0.1	0.1	JIN165.07W
Senna artemisioides subsp. *oligophylla*	0.1	1.4	0.1	1.4	JIN165.05W
Senna ferraria	0.1	0.8	0.1	0.8	JIN165.03
Senna glutinosa subsp. *pruinosa*	0.1	1.6	0.1	1.5	
Senna glutinosa subsp. x *luerssenii*			0.1	0.4	
Senna notabilis			0.1	0.1	
Solanum centrale	0.1	0.4	0.1	0.4	
Triodia vanleeuwenii	52	0.2	65	0.2	
Triodia wiseana	0.1	0.3	0.1	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-166**

Date 30/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

733294 mE; 7455265 mN

119.2759 E -22.994619 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low sparse hummock grassland with *Corymbia hamersleyana* low isolated trees over *Acacia hilliana*, *Acacia arida* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.2	0.3	
Acacia arida	2.5	0.5	2.5	0.5	
Acacia hilliana	2.5	0.2	2.5	0.3	
Amphipogon sericeus	0.1	0.3			
Androcalva luteiflora	0.1	1.4	0.5	1.5	
Bonamia pilbarensis			0.1	0.2	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.5	
Corymbia hamersleyana	1.5	4	2	6	
Dampiera candicans	0.1	0.2	0.1	0.2	
Dodonaea coriacea			0.1	1.2	
Eriachne lanata			0.1	0.2	
Eriachne mucronata			0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	1.5	0.5	2	
Fimbristylis dichotoma			0.1	0.1	
Gompholobium oreophilum	0.1	0.6	0.2	0.6	
Goodenia stobbsiana	0.1	0.2	0.1	0.2	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.1	2	0.1	2.5	
Hibiscus sturtii var. *campylochlamys*	0.1	0.2	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1.5	0.1	1.5	
Paraneurachne muelleri			0.1	0.2	
Ptilotus calostachyus	0.1	0.6	0.1	0.6	
Senna glutinosa subsp. *glutinosa*			0.1	0.8	
Sida arenicola	0.1	1.2			
Themeda triandra	0.1	0.3	0.1	0.5	
Triodia pungens			0.2	0.5	
Triodia vanleeuwenii	6.5	0.1	20	0.2	
Triodia wiseana	2.5	0.3	2.5	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-167**

Date 17/09/2023 & 10/03/2024

Described by Emma Marsh, Emalyn Loudon & Kaylin Geelhoed, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

730455 mE; 7456445 mN

119.2480 E -22.984367 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Breakaway

Vegetation *Acacia aptaneura*, *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* low isolated clumps of hummock grasses with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Scaevola acacioides* mid isolated shrubs over *Maireana georgei* low isolated chenopod shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aneura	0.1	4.5	0.1	4.5	JIN167.04
Acacia aptaneura	35	12	40	12	JIN087.01
Acacia ayersiana			0.1	3.5	JIN167.13w
Acacia catenulata subsp. *occidentalis*			15	4	JIN167.10W
Acacia pruinocarpa	0.1	0.4	0.1	1.2	
Acacia tetragonophylla	0.1	1.5	0.1	1.5	
Corchorus crozophorifolius	0.1	0.5	0.1	0.5	JIN090.01
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.3	0.1	0.3	
Enneapogon polyphyllus			0.1	0.2	
Eragrostis eriopoda	0.1	0.3	0.1	0.3	
Eremophila latrobei subsp. *filiformis*	0.1	1.2	0.1	1.2	
Eriachne mucronata	0.1	0.3	0.1	3	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4	0.5	4	
Euphorbia drummondii			0.1	0.1	JIN167.09W
Goodenia stobbsiana	0.1	0.3			
Grevillea berryana			0.1	1	JIN167.11W
Maireana georgei	0.5	0.2	0.5	0.2	JIN167.03
Maireana planifolia x *villosa*	0.1	0.3	0.1	0.3	JIN090.02
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Psydrax suaveolens	0.1	0.6	0.1	0.6	JIN167.07
Ptilotus calostachyus	0.1	0.4	0.1	0.2	
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	1.3	0.1	0.9	
Rhagodia eremaea	0.1	1.2	0.1	0.1	
Santalum lanceolatum	0.1	2.5	0.1	2.5	
Scaevola acacioides	1.5	1.8	1.5	1.8	JIN167.01
Senna artemisioides subsp. *filifolia*	0.1	0.5	0.1	0.5	
Senna artemisioides subsp. *helmsii*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. x *luerssenii*	0.1	1.3	0.1	1.3	
Senna notabilis			0.1	0.1	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)			0.1	0.5	JIN167.08W
Solanum lasiophyllum	0.1	0.3			JIN088.01
Triodia angusta	1.5	0.4	1.5	0.4	JIN167.05
Triodia pungens	0.5	0.3	0.5	0.4	
Triodia vanleeuwenii	0.5	0.2	0.5	0.2	JIN167.04



Phase 1



Phase 2

Jinidi F&V **Site JIN-168**

Date 28/10/2023 & 9/03/2024

Described by Ryan Woodhouse, Eva Karikis & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

730598 mE; 7455392 mN

119.2496 E -22.993848 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia wiseana*, *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated clumps of trees over *Senna glutinosa* subsp. *pruinosa* mid sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.5	0.3	0.5	0.3	
Acacia bivenosa	0.1	0.5	0.1	0.5	
Acacia hilliana	0.4	0.2			
Acacia tetragonophylla	0.1	1	0.1	1	
Amphipogon sericeus			0.1	0.2	
Aristida contorta			0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*			0.1	0.2	
Enneapogon caerulescens			0.1	0.1	
Enneapogon polyphyllus			0.1	0.1	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	1	2.5	1	2.5	
Euploca inexplicita			0.1	0.1	JIN269.03W
Gompholobium oreophilum	0.1	0.1			
Goodenia microptera	0.1	0.1			
Goodenia triodiophila			0.1	0.1	JIN168.03W
Hakea chordophylla	0.2	1.3	0.2	1.3	
Hibiscus sp. Indet	0.1	0.1			
Indigofera monophylla	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.1			
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.3	
Senna artemisioides subsp. *helmsii*	0.1	0.3	0.1	0.3	
Senna artemisioides subsp. x *artemisioides*			0.1	0.2	
Senna glaucifolia			0.1	0.4	
Senna glutinosa subsp. *glutinosa*	1	0.5	0.1	0.5	
Senna glutinosa subsp. *pruinosa*			0.1	0.5	
Senna glutinosa subsp. x *luerssenii*			1	1.4	
Tribulus suberosus	0.1	0.4	0.1	0.4	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia vanleeuwenii	40	0.4	30	0.4	
Triodia wiseana	20	0.3	10	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-169**

Date 28/10/2023 & 10/03/2024

Described by Ryan. Woodhouse, Eva Karikis & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 100m x 25m

Location MGA Zone 50

731257 mE; 7453864 mN

119.2562 E -23.007547 S

Veg Condition Excellent

Soil Sandy Loam

Rock Type Detritals (riverstone)

Fire Age Moderate (3 to 5 yr)

Habitat Gully

Vegetation *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides*, *Grevillea wickhamii* tall shrubland over *Triodia pungens* low sparse hummock grassland with *Eriachne mucronata*, *Themeda triandra* low open tussock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.3	
Abutilon sp. Indet			0.1	0.1	JIN169.05w
Acacia adoxa var. *adoxa*	0.1	0.5	0.1	0.5	
Acacia arida	0.1	0.7	0.1	0.5	
Acacia maitlandii	0.5	1.5	0.1	1.5	
Acacia monticola	1	2	0.5	2	
Acacia pruinocarpa			0.1	0.6	
Acacia pyrifolia var. *pyrifolia*	0.2	1.5	0.1	3.8	
Acacia tumida var. *pilbarensis*	50	2.5	50	2.5	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.3	
Androcalva luteiflora	1	2	0.5	5	
Arivela viscosa			0.1	0.1	
Bonamia pilbarensis			0.1	0.1	
Capparis lasiantha	0.1	0.1	0.1	0.1	
Cheilanthes brownii			0.1	0.1	
Clerodendrum floribundum var. *angustifolium*			0.1	1.5	
Corchorus lasiocarpus	0.2	0.6	0.1	0.5	
Corymbia hamersleyana	0.2	10	0.1	10	JIN169.04
Cymbopogon ambiguus	0.1	0.4	0.1	0.1	
Dampiera candicans			0.1		
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.2	0.1	0.1	
Eriachne mucronata	1	0.3	0.1	1	JIN169.01
Eucalyptus leucophloia subsp. *leucophloia*	0.5	6	0.5	0.5	
Euphorbia sp. indet (bi/tri)			0.1		
Gompholobium oreophilum	0.1	0.5		0.1	
Gossypium robinsonii	0.5	3	0.5	0.5	
Grevillea wickhamii	0.5	3	0.5	0.5	
Hakea lorea subsp. *lorea*	0.2	0.5		0.2	
Hibiscus coatesii			0.1		
Hibiscus sturtii var. *campylochlamys*			0.1		
Indigofera fractiflexa subsp. *fractiflexa*			0.1		JIN148.05w
Indigofera monophylla	0.1	0.4	0.1	0.1	
Jasminum didymum subsp. *lineare*	0.1	0.4	0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Petalostylis labicheoides	2	2	0.5	2	
Ptilotus astrolasius			0.1		
Ptilotus calostachyus	0.1	0.4		0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.1	
Rhynchosia minima			0.1		
Santalum lanceolatum	0.1	1.5	0.1	0.1	
Senna artemisioides subsp. *oligophylla*			0.1		
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	0.1	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)			0.1		
Solanum phlomoides			0.1		
Stylobasium spathulatum	0.2	1	0.2	0.2	
Tephrosia densa			0.1		JIN169.06w
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.2	1		0.2	JIN169.03
Themeda triandra	15	0.6	15	15	
Trigastrotheca molluginea	0.1	0.4		0.1	
Triodia pungens	0.1	0.4	0.1	0.1	JIN169.02


Phase 1


Phase 2

Jinidi F&V **Site JIN-170**

Date	28/10/2023 & 10/03/2024
Described by	Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Kay Greenacre
Type	Quadrat 50m x 50m
Location	MGA Zone 50 729943 mE; 7454401 mN 119.2433 E -23.002887 S
Veg Condition	Excellent
Soil	Sand
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Corymbia deserticola* subsp. *deserticola* low isolated clumps of trees over *Acacia adoxa* var. *adoxa*, *Acacia hilliana* low sparse shrubland.
Notes	Drill pad in centre of quadrat at phase 2 sampling

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	3	0.3	2	0.3	
Acacia hilliana	3	0.3	2	0.3	
Amphipogon sericeus	0.2	0.1			JIN170.03
Bonamia pilbarensis			0.1	0.1	
Corchorus lasiocarpus			0.1	0.3	
Corymbia deserticola subsp. *deserticola*	0.1	6	0.1	6	JIN170.01
Dampiera candicans	0.1	0.1			
Eriachne lanata	0.1	0.1	0.1	0.2	JIN170.02
Eriachne pulchella			0.1	0.1	
Fimbristylis dichotoma			0.1	0.1	
Gompholobium oreophilum	0.1	0.1	0.1	0.1	
Goodenia triodiophila	0.1	0.3	0.1	0.2	
Grevillea wickhamii	0.1	0.7			
Hakea chordophylla	0.1	1.2	0.1	1	
Hibiscus sturtii var. *campylochlamys*			0.1	0.2	
Indigofera monophylla	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.1			
Senna glaucifolia	0.1	1			JIN168.01
Senna glutinosa subsp. *glutinosa*	0.1	1.6	0.1	1.6	
Senna glutinosa subsp. *pruinosa*	0.1	1	0.1	1	
Solanum centrale			0.1	0.1	
Tephrosia oxalidea			0.1	0.1	
Triodia vanleeuwenii	35	0.2	20	0.2	


Phase 1


Phase 2

Jinidi F&V **Site JIN-172**

Date 17/09/2023 & 10/03/2024

Described by Emma Marsh, Emalyn Loudon & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

730098 mE; 7455590 mN

119.2447 E -22.992130 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type Dolerite

Fire Age Moderate (3 to 5 yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0.5	0.1	0.5	
Amphipogon sericeus	0.1	0.2			
Eriachne pulchella	0.1	0.1			
Eucalyptus leucophloia subsp. *leucophloia*	5	10	5	10	
Goodenia stobbsiana	0.1	0.3			
Lepidium pholidogynum	0.1	0.1			
Maireana georgei	0.1	0.5	0.1	0.3	JIN167.03
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.6			
Ptilotus exaltatus	0.1	0.2	0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	0.2	0.1	0.2	
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. *pruinosa*	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. x *luerssenii*	0.1	1.2	0.1	0.2	
Sida ?sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2			
Triodia vanleeuwenii	23	0.2	25	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-174**

Date 31/10/2023 & 22/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas

Type Quadrat 50m x 50m

Location MGA Zone 50

730165 mE; 7451409 mN

119.2460 E -23.029860 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii*, *Triodia wiseana* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Senna glutinosa* subsp. *pruinosa*, *Senna glutinosa* subsp. *glutinosa* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia arida	0.1	0.6	0.1	0.6	
Acacia bivenosa	0.1	0.4	0.1	0.5	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Capparis lasiantha	0.1	0.4	0.1	0.4	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.5	
Dampiera candicans	0.1	0.1	0.1	0.2	
Dodonaea coriacea	0.1	0.6	0.1	0.6	
Eucalyptus leucophloia subsp. *leucophloia*	9.5	5	5	5	
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia stobbsiana	0.1	0.2	0.1	0.2	
Goodenia triodiophila	0.1	0.1	0.1	0.2	
Grevillea wickhamii			0.1	0.6	
Indigofera monophylla	0.1	0.1	0.1	0.1	
Mirbelia viminalis	0.1	0.4	0.1	0.4	
Paraneurachne muelleri	0.1	0.1	0.1	0.1	
Psydrax suaveolens	0.4	0.6			
Ptilotus calostachyus	0.1	0.6	0.1	0.6	
Ptilotus exaltatus	0.1	0.1	0.1	0.2	
Senna artemisioides subsp. *oligophylla*			0.1	0.1	
Senna glutinosa subsp. *glutinosa*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *pruinosa*	0.1	1.6	0.1	1.6	
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1	0.1	0.1	
Solanum lasiophyllum	0.1	0.1	0.1	0.2	
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)	0.1	0.1	0.1	0.1	
Triodia vanleeuwenii	25	0.1	25	0.2	
Triodia wiseana	15	0.2	15	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-175**



Date	12/03/2024
Described by	Ryan Woodhouse, Vanessa Yeomans
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	722298 mE; 7449808 mN
	119.1695 E -23.045389 S
Veg Condition	Very Good
Soil	Silty Clay Loam
Rock Type	Detritals
Fire Age	Old (6+ yr)
Habitat	Medium Drainage Line
Vegetation	*Eucalyptus camaldulensis* subsp. *refulgens, Melaleuca argentea* mid woodland over *Melaleuca glomerata, Acacia coriacea* subsp. *pendens, Acacia citrinoviridis* tall open shrubland over *Themeda triandra, Cymbopogon ambiguus, Eulalia aurea, Eriachne benthamii* low open tussock grassland with *Gossypium sturtianum* var. *sturtianum*, *Gossypium robinsonii, Stylobasium spathulatum, Petalostylis labicheoides, Acacia pyrifolia* var. *pyrifolia* mid open shrubland with low open herbland of mixed species.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet			0.1	0.2	JIN175.15w
Acacia bivenosa			0.1	3	
Acacia citrinoviridis			12	5	JIN175.21W
Acacia coriacea subsp. *pendens*			2	4.5	
Acacia pyrifolia var. *pyrifolia*			0.1	1.2	
Afrohybanthus aurantiacus			0.1	0.2	
Androcalva luteiflora			0.1	1.8	
Arivela viscosa			0.1	0.2	
Atalaya hemiglauca			0.1	1.8	
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.1	0.1	JIN082.23w
Capparis lasiantha			0.1	0.8	
**Cenchrus ciliaris*			10	0.6	
Chrysopogon fallax			2	0.8	
Clerodendrum tomentosum var. *lanceolatum*			0.1	0.6	JIN175.17W
Convolvulus remotus			0.1	0.1	JIN175.13W
Corchorus sp. Indet			0.1	0.2	JIN175.24W
Corchorus tridens			0.2	0.2	JIN175.14W
Crotalaria medicaginea var. *neglecta*			0.1	0.2	JIN256.15w
Cucumis variabilis			0.1	0.1	
Cullen leucanthum			0.1	0.8	JIN275.16W
Cymbopogon ambiguus			2	0.4	
Cynodon convergens			0.1	0.1	JIN175.07W
Cyperus vaginatus			0.5	0.4	
Dicladanthera forrestii			0.1	0.2	
Digitaria ctenantha			0.5	0.1	
Dodonaea lanceolata var. *lanceolata*			0.2	1.5	JIN175.04W
Dodonaea petiolaris			0.1	1.5	
Duperreya commixta			0.1	0.1	
Eriachne benthamii			2	0.3	
Eucalyptus camaldulensis subsp. *refulgens*			15	12	
Eulalia aurea			2	0.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eulalia simonii			0.1	0.1	JIN175.20W
Euphorbia australis var. *subtomentosa*			0.1	0.1	JIN256.11w
Euphorbia trigonosperma			0.1	0.1	
Evolvulus alsinoides var. *decumbens*			0.1	0.2	JIN175.19w
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Glycine canescens			0.1	0.1	JIN175.12W
Glycine sp. Indet			0.2	0.1	JIN175.11W
Gossypium robinsonii			5	2	
Gossypium sturtianum var. *sturtianum*			1	1.8	
Grevillea wickhamii			0.1	3.5	
Ipomoea plebeia			2	0.1	JIN175.03W
Jasminum didymum subsp. *lineare*			0.1	0.3	
Melaleuca argentea			2	5	
Melaleuca glomerata			5	4	JIN175.08W
Melhania oblongifolia			0.2	0.2	JIN175.10W
Nellica maderaspatensis			0.1	0.1	JIN175.01W
Paraneurachne muelleri			0.1	0.4	
Perotis rara			0.1	0.1	
Petalostylis labicheoides			0.1	3.5	
Pluchea rubelliflora			0.1	0.2	JIN175.05W
Ptilotus exaltatus			0.1	0.1	
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. x *artemisioides*			0.1	1.5	JIN090.03
Solanum sp. Indet			0.1	0.1	JIN271.14w
Stemodia grossa			0.1	0.3	JIN175.18W
Stylobasium spathulatum			0.1	1.2	
Tephrosia densa			0.1	0.3	JIN175.09W
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)			0.1	0.5	
Themeda triandra			10	0.8	
**Tribulus terrestris*			0.1	0.1	Jin175.06W
Triodia longiceps			0.1	1	
Triodia pungens			0.1	0.4	
Urochloa ?distachyos			0.3	0.3	JIN082.24w
Vachellia farnesiana var. *farnesiana*			0.1	0.6	JIN175.15w

Jinidi F&V **Site JIN-177**

Date 31/10/2023 & 22/03/2024

Described by Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

733534 mE; 7450229 mN

119.2790 E -23.040040 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Acacia aptaneura*, *Acacia pteraneura, Acacia catenulata* subsp. *occidentalis, Grevillea saxicola* (P3) low open woodland over *Eremophila phyllopoda* subsp. *obliqua, Eremophila latrobei* subsp. *latrobei, Scaevola acacioides* mid to tall open shrubland over *Triodia wiseana, Triodia pungens* low sparse shrubland with *Paspalidium clementii, Eriachne mucronata* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	10	5	10	5	JIN177.2
Acacia catenulata subsp. *occidentalis*	0.2	5	1	5	JINR220.02
Acacia distans	1	4	1	4	JIN177.7
Acacia pruinocarpa	0.1	1.2	0.1	1.4	
Acacia pteraneura	1	4	1	4	JIN177.1
Acacia spondylophylla	0.1	0.5			
Acacia tetragonophylla	0.1	2	0.1	2	
Aristida holathera var. *holathera*			0.1	0.2	
Cheilanthes brownii	0.1	0.1	0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.1	
Cucumis variabilis			0.1	0.1	
Dodonaea petiolaris	0.2	1.2	0.1	1.2	
Duperreya commixta	0.1	0.1			
Enneapogon lindleyanus			0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eremophila latrobei subsp. *latrobei*	0.1	1	0.1	1.2	
Eremophila oppositifolia subsp. *angustifolia*			0.1	2.5	JIN177.11w
Eremophila phyllopoda subsp. *obliqua*	1	2	1	3	JIN177.4
Eriachne mucronata	0.1	0.1	0.1	0.1	
Eriachne pulchella			0.1	0.1	
Eriachne tenuiculmis			0.1	0.1	JIN117.12W
Euphorbia drummondii			0.1	0.1	JIN177.16w
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Grevillea berryana	0.1	1.3	0.1	1.3	JIN177.6
Grevillea saxicola (P3)	1	3	1	3	JIN177.10
Hibiscus sp. Indet			0.1	0.1	
Iseilema membranaceum			0.1	0.1	JIN177.15w
Paraneurachne muelleri	0.1	0.1			
Paspalidium clementii			0.5	0.1	JIN177.14W
Perotis rara			0.1	0.1	
Polygala glaucifolia			0.1	0.1	
Psydrax suaveolens	0.2	1.2			
Ptilotus exaltatus			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Ptilotus helipteroides			0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	1	0.1	1	JIN177.3
Scaevola acacioides	0.1	1.5	0.1	1.5	JIN177.5
Schizachyrium fragile			0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	1.1	0.1	1.3	JIN177.8
Senna artemisioides subsp. x *artemisioides*			0.1	0.8	
Senna glutinosa subsp. x *luerssenii*	0.1	1.2	0.1	1.2	
Sida ? ectogama			0.1	1	JIN177.09w
Sida ?arenicola	0.3	1.5	0.1	1.5	JIN177.9
Tribulus sp. Indet			0.1	0.1	
Triodia pungens	0.1	0.2	0.1	0.3	JIN125.1
Triodia wiseana	2	0.4	0.5	0.4	JIN177.2


Phase 1


Phase 2

Jinidi F&V **Site JIN-178**

Date 18/09/2023 & 26/03/2024

Described by Carmel Winton, April Slater & Sam Coultas

Type Quadrat 50m x 50m

Location MGA Zone 50

735431 mE; 7449242 mN

119.2976 E -23.048680 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF (basalt, ironstone)

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii, Triodia brizoides* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia bivenosa*, *Acacia pachyacra* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.1	0.3	
Acacia ancistrocarpa	0.1	1.2	0.1	1.2	
Acacia arida	0.1	0.3	0.1	0.5	
Acacia bivenosa	2.5	1.2	1.2	2.8	
Acacia pachyacra	1.5	2.2	1.5	2.2	
Acacia pruinocarpa	0.1	1.2	0.1	1.2	
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Amyema sanguinea var. *sanguinea*	0.1	0.1	0.1	0.1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.8	0.1	0.8	
Corymbia hamersleyana	0.1	1.3	0.1	1.3	
Cymbopogon ambiguus			0.1	0.2	
Dolichocarpa crouchiana			0.1	0.1	
Eriachne mucronata	0.1	0.4	0.1	0.3	
Eriachne pulchella subsp. *dominii*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	4	6	4	6	
Euphorbia boophthona			0.1	0.1	
Euphorbia tannensis subsp. *eremophila*			0.1	0.2	
Fimbristylis dichotoma			0.1	0.1	
Goodenia muelleriana			0.1	0.2	
Goodenia stobbsiana	0.1	0.1	0.1	0.2	
Goodenia triodiophila			0.1	0.3	
Grevillea wickhamii	0.1	1.5	0.1	1.5	
Hakea chordophylla			0.1	0.2	
Lepidium catapycnon (P4)	0.1	0.2	0.1	0.2	
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Paspalidium clementii			0.1	0.2	JIN127.07w
Polygala glaucifolia			0.1	0.1	JIN138.01w
Psydrax suaveolens	0.1	1.2	0.1	1.2	
Ptilotus astrolasius			0.1	0.2	
Ptilotus calostachyus	0.1	0.5	0.1	0.4	
Ptilotus exaltatus	0.1	0.1	0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	
Schizachyrium fragile			0.1	0.2	JIN178.01w
Senna ferraria	0.1	0.7	0.1	0.7	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna glutinosa subsp. *pruinosa*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. x *luerssenii*			0.1	0.4	
Sida sp. Golden calyces glabrous (H.N. Foote 32)			0.1	0.1	
Solanum centrale	0.1	0.2	0.1	0.2	
Tribulus suberosus	0.1	1.2	0.1	1.2	
Triodia brizoides	10	0.4	10	0.4	JIN178.01
Triodia pungens	0.1	0.5	0.1	0.5	JIN101.01
Triodia vanleeuwenii	40	0.2	40	0.3	
Triodia wiseana	1	0.4	1	0.4	


Phase 1


Phase 2

Jinidi F&V **Site JIN-179**

Date 19/09/2023 & 7/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

735210 mE; 7446131 mN

119.2960 E -23.076797 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID (ironstone)

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Acacia inaequilatera, Acacia pachyacra* tall sparse shrubland over *Ptilotus astrolasius* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	1.5	0.1	1.5	
Acacia inaequilatera	5	2.5	5	2.5	
Acacia pachyacra	1	2.8	2.5	3	
Amphipogon sericeus	0.1	0.3			
Aristida contorta	0.1	0.2	0.2	0.2	
Aristida holathera var. *holathera*	0.1	0.5	0.2	0.5	JIN083.01
Aristida inaequiglumis	0.1	0.4			JIN179.01
Arivela viscosa			0.1	0.2	
Boerhavia coccinea			0.2	0.2	JIN179.09W
Chrysopogon fallax	0.1	1	0.25	0.5	
Corchorus crozophorifolius	0.1	0.6	0.5	0.6	JIN090.01
Digitaria ammophila	0.1	0.3			
Digitaria brownii	0.1	0.4			JIN179.02
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon polyphyllus	0.1	0.2	0.1	0.2	
Eragrostis eriopoda	0.1	0.3	0.1	0.3	
Eremophila longifolia	0.1	1.4	0.2	1.4	
Eriachne mucronata	0.1	0.3	0.2	0.3	
Evolvulus alsinoides			0.1	0.1	JIN179.06W
Fimbristylis simulans			0.1	0.1	JIN179.08W
Goodenia microptera			0.1	0.2	
Hakea chordophylla	0.1	1.7	0.1	0.8	
Hakea lorea subsp. *lorea*	0.1	1.8	0.1	2	
Hibiscus sturtii var. *campylochlamys*	0.1	0.6	0.2	0.6	
Indigofera monophylla	0.1	0.4	1	0.5	
Jasminum didymum subsp. *lineare*	0.1	0.9	0.1	1	
Maireana villosa	0.1	0.1	0.1	0.2	JIN144.01
Paraneurachne muelleri	0.1	0.2	0.2	0.2	
Paspalidium clementii			0.1	0.2	JIN179.04W
Ptilotus astrolasius	0.2	0.4	1	0.4	
Ptilotus calostachyus	0.1	0.7	0.1	0.7	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.5	
Ptilotus rotundifolius	0.1	1.2	1	1.2	
Ptilotus sp. Indet			0.1	0.1	JIN179.07W
Schizachyrium fragile	0.1	0.1	0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	0.4	0.1	0.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna glutinosa subsp. *glutinosa*	0.1	1.1	0.1	1.1	
Senna glutinosa subsp. x *luerssenii*	0.1	2	2	2.2	
Sida sp. Indet	0.1	0.3	0.1	0.3	JIN179.03
Solanum lasiophyllum	0.1	0.6	0.2	0.6	
Themeda triandra	0.1	0.4	0.5	0.5	
Triodia vanleeuwenii	25	0.3	35	0.4	
Vincetoxicum lineare	0.1	0.1			


Phase 1


Phase 2

Jinidi F&V **Site JIN-180**



Date	27/03/2024
Described by	Emily Eakin-Busher, Rylan Cunnane
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	727539 mE; 7465748 mN
	119.2182 E -22.900790 S
Veg Condition	Excellent
Soil	Sandy Loam
Rock Type	None Discernible
Fire Age	Old (6+ yr)
Habitat	Major Drainage Line
Vegetation	*Melaleuca argentea* low to mid open woodland over *Typha domingensis* mid to tall sedgeland (patches) over *Fimbristylis sieberiana* (P3) low sparse sedgeland with *Acacia ampliceps* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ampliceps			2	6	
Cassytha filiformis			0.1	0.1	
Cladium procerum			0.1	2.2	JIN180.01w
**Cynodon dactylon*			0.1	0.1	
Cyperus vaginatus			0.5	0.5	
Eleocharis geniculata			0.1	0.1	
Eucalyptus camaldulensis subsp. *refulgens*			0.1	5.5	
Eulalia aurea			0.1	0.4	
Fimbristylis sieberiana (P3)			4	0.3	
Lobelia arnhemiaca			0.1	0.1	
Melaleuca argentea			25	13	
Melaleuca bracteata			0.1	1.5	JIN180.02w
Melaleuca glomerata			0.1	1.2	
Pluchea rubelliflora			0.1	0.2	
Sesbania cannabina			0.1	1.3	
Stemodia sp. Indet			0.1	0.2	
Stylidium weeliwolli (P3)			0.1	0.1	
Stylobasium spathulatum			0.1	1.5	
Typha domingensis			15	3	

Jinidi F&V **Site JIN-181**

Date 1/11/2023 & 11/03/2024

Described by Ryan Woodhouse, Eva Karikis & Kaylin Geelhoed, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

732979 mE; 7447873 mN

119.2739 E -23.061384 S

Veg Condition Very Good

Soil Clay Loam

Rock Type Detritals

Fire Age Old (6+ yr)

Habitat Major Drainage Line

Vegetation *Acacia pyrifolia* var. *pyrifolia, Petalostylis labicheoides, Gossypium sturtianum* subsp. *sturtianum, Androcalva luteiflora* tall open shrubland with *Eucalyptus camaldulensis* subsp. *refulgens* mid open woodland over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low sparse shrubland over *Cymbopogon ambiguus, Enneapogon caerulescens, Paraneurachne muelleri* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ancistrocarpa	0.1	0.5	0.1	0.5	JIN181.06
Acacia arida			0.1	1.2	
Acacia bivenosa	0.1	1.9	0.1	2	
Acacia citrinoviridis	0.1	0.7	0.1	0.8	JIN181.03
Acacia dictyophleba	0.1	1	0.1	1	JIN181.02
Acacia maitlandii	0.1	0.5	0.1	1	
Acacia pyrifolia var. *pyrifolia*	5	2.5	4	2.5	
Acrachne racemosa			0.1	0.4	JIN088.11W
Androcalva luteiflora	1	2.8	1.5	1.8	
Aristida contorta	0.1	0.1			
Arivela viscosa	0.1	0.2	0.1	0.2	
**Bidens bipinnata*			0.1	0.1	
Boerhavia coccinea			0.1	0.2	JIN181.13w
Chrysocephalum apiculatum subsp. *pilbarense*			0.1	0.2	JIN181.11w
Corchorus ? crozophorifolius	0.1	0.5			
Corchorus lasiocarpus	0.2	0.5	0.1	0.5	JIN181.10
Corchorus tridens			0.1	0.1	
Cymbopogon ambiguus	0.3	0.4	0.1	0.6	
Dactyloctenium radulans			0.2	0.4	JIN181.12w
Digitaria ctenantha			0.1	0.1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.3	1	0.3	
Enneapogon robustissimus			1	0.6	JIN181.19w
Eremophila longifolia	0.1	1.2	0.1	1.2	JIN181.05
Eriachne benthamii	0.1	0.2	0.1	0.3	JIN181.08
Eriachne mucronata	0.1	0.1	0.1	0.4	
Eriachne pulchella subsp. *pulchella*	0.1	0.1	0.1	0.1	
Eucalyptus camaldulensis subsp. *refulgens*	2	18	4	18	JIN181.01
Euphorbia biconvexa			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1			
Exocarpos sparteus	0.1	0.7			
Gossypium robinsonii	0.1	2.5	0.1	1	
Gossypium sturtianum var. *sturtianum*	1	1.5	2	1.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Indigofera monophylla			0.1	0.4	
Ipomoea muelleri			0.1	0.1	
Ipomoea polymorpha			0.1	0.1	JIN181.16w
Isotropis iophyta			0.1	1	
Jasminum didymum subsp. *lineare*	0.1	0.5	0.1	0.5	
Nellica maderaspatensis			0.1	0.4	
Paraneurachne muelleri			0.5	0.5	JIN181.20w
Paspalidium clementii			0.1	0.5	JIN088.10W
Petalostylis labicheoides	5	3	3	3	
Pluchea sp. Indet	0.1	0.2			
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	JIN181.07
Salsola australis			0.1	0.1	
Senna artemisioides subsp. x *artemisioides*	0.1	1.5	0.1	1.3	JIN181.04
Setaria dielsii			0.1	0.4	JIN181.17w
Sida sp. Indet			0.1	0.8	JIN181.14w
Sporobolus australasicus			0.1	0.1	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	2.5	0.4	2	0.5	
Themeda triandra	0.2	0.2	0.1	0.5	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.2	
Triodia pungens	0.1	0.4	0.1	0.4	
Triodia wiseana	0.1	0.2	0.1	0.3	JIN181.09
Urochloa piligera			0.1	0.4	JIN181.18w
Vachellia farnesiana var. *farnesiana*	0.1	2.4	0.1	2.5	JIN181.06



Phase 1



Phase 2

Jinidi F&V **Site JIN-182**

Date 1/11/2023 & 12/03/2024

Described by Emma Marsh, Grace Taylor & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

733465 mE; 7447700 mN

119.2787 E -23.062884 S

Veg Condition Very Good

Soil Light Medium Clay

Rock Type Mudstone (calcrete)

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia angusta* low hummock grassland with *Eucalyptus socialis* subsp. *eucentrica* low open mallee woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon cunninghamii			0.1	0.3	JIN182.02w
Acacia bivenosa	0.1	0.8	0.1	0.9	
Acacia pachyacra			0.1	0.5	JIN182.03w
Acacia pruinocarpa	0.1	0.3	0.1	0.3	
Acacia trudgeniana	0.1	0.3	0.1	0.4	JIN163.02
Corchorus lasiocarpus			0.1	0.2	
Eragrostis desertorum			0.1	0.2	JIN182.04w
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eucalyptus socialis subsp. *eucentrica*	12	2	12	2	JIN219.01
Eucalyptus xerothermica	0.1	2.3	0.1	2.3	
Hibiscus sturtii			0.1	0.01	
Indigofera monophylla			0.1	0.2	
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Petalostylis labicheoides	0.1	1.1	0.1	1.3	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus exaltatus	0.1	0.2	0.1	0.1	
Senna glutinosa			0.1	0.6	
Themeda triandra	0.1	0.3	0.1	0.2	
Triodia angusta	40	0.2	40	0.2	JIN182.01
Triodia wiseana	0.1	0.2	0.1	0.2	JIN182.02w



Phase 1



Phase 2

Jinidi F&V **Site JIN-183**

Date 1/11/2023 & 7/03/2024

Described by Emma Marsh, Grace Taylor & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

734015 mE; 7447206 mN

119.2841 E -23.067258 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Triodia pungens, Triodia wiseana* low open hummock grassland with **Cenchrus ciliaris, Eragrostis eriopoda, Themeda triandra, Paraneurachne muelleri* low open tussock grassland with *Eucalyptus xerothermica, Acacia aptaneura* low open woodland over *Petalostylis labicheoides, Hakea lorea* subsp. *lorea* tall isolated shrubs over *Ptilotus obovatus* var. *obovatus* mid isolated shrubs over *Dipteracanthus australasicus* subsp. *australasicus* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon fraseri subsp. *fraseri*			0.1	0.3	JIN183.02w
Abutilon lepidum	0.1	0.4			
Abutilon otocarpum	0.1	0.3	0.1	0.1	
Acacia ancistrocarpa	0.1	1.4	0.1	1.5	
Acacia aptaneura	2	5	2	5	
Acacia bivenosa	0.1	1.7	0.1	1.7	
Acacia inaequilatera	0.1	0.2	0.1	1	
Acacia pachyacra	0.1	2.4	0.1	2.5	JIN183.01
Acacia pruinocarpa	0.1	2.2	0.1	2.2	
Acacia tenuissima	0.1	1.5	0.1	1.5	
Alternanthera nana			0.1	0.2	
Aristida contorta	0.1	0.2	0.1	0.2	
Aristida holathera var. *holathera*	0.1	0.4	0.1	0.2	
Aristida inaequiglumis	0.1	0.4			
Arivela viscosa			0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Bothriochloa ewartiana			0.1	0.3	JIN183.04w
Capparis lasiantha			0.1	0.4	
**Cenchrus ciliaris*	6	0.2			
Chrysopogon fallax	0.5	0.4	0.5	0.4	
Corchorus tridens			0.1	0.1	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Dipteracanthus australasicus subsp. *australasicus*	1.5	0.2	1.5	0.2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus	0.1	0.3	0.1	0.3	
Enneapogon polyphyllus	0.1	0.2	0.1	0.2	
Eragrostis eriopoda	2.5	0.4	2.5	0.3	
Eremophila forrestii subsp. *forrestii*	0.1	0.3			
Eremophila longifolia	0.1	1.4	0.1	1.4	
Eriachne mucronata			0.1	0.1	JIN183.05w
Eucalyptus gamophylla	0.1	3	0.1	2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eucalyptus xerothermica	5	5	5	5.4	
Eulalia aurea			0.1	0.3	
Eulalia simonii			4	0.3	JIN183.06w
Euphorbia biconvexa			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Goodenia stellata			0.1	0.1	JIN183.03w
Hakea lorea subsp. lorea	0.5	2.1	0.5	2.1	
Hibiscus burtonii			0.1	0.3	
Hibiscus sturtii var. *campylochlamys*			0.1	0.1	
Hibiscus sturtii var. *platychlamys*	0.1	0.3	0.1	0.3	
Indigofera monophylla	0.1	0.3	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
**Malvastrum americanum*			0.1	0.3	
Panicum decompositum	0.1	0.3			
Paraneurachne muelleri	1	0.3	1	0.3	
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.5	3	0.5	2.5	
Ptilotus astrolasius	0.1	0.3	0.1	0.4	
Ptilotus obovatus var. *obovatus*	1.5	1.1	0.1	0.4	
Senna ?pleurocarpa	0.1	0.8	0.1	0.4	
Senna notabilis			0.1	0.1	
Sida fibulifera	0.1	0.2	0.1	0.2	JIN183.07w
Solanum phlomoides	0.1	0.5	0.1	0.5	
Sporobolus australasicus			0.1	0.1	
Themeda triandra	2	0.4	2	0.4	
Triodia pungens	10	0.6	10	0.6	
Triodia vanleeuwenii	0.1	0.2	0.1	0.3	
Triodia wiseana	8	0.4	8	0.4	JIN183.02w



Phase 1



Phase 2

Jinidi F&V **Site JIN-184**

Date 1/11/2023 & 7/03/2024

Described by Ryan Woodhouse, Eva Karikis & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

734056 mE; 7446165 mN

119.2847 E -23.076650 S

Veg Condition Excellent

Soil Clay Loam Sandy

Rock Type CID

Fire Age Old (6+ yr)

Habitat Sandy/ Stony Plain

Vegetation *Acacia aptaneura*, *Acacia pteraneura*, *Acacia pruinosa* tall shrubland over *Triodia pungens, Triodia wiseana* low sparse hummock grassland with *Chrysopogon fallax, Themeda triandra, Enneapogon caerulescens* low sparse tussock grassland with *Eucalyptus xerothermica* low isolated trees over *Dipteracanthus australasicus* subsp. *australasicus, Arivela viscosa* low sparse herbland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon ?cunninghamii			0.1	0.2	JIN184.11w
Acacia aneura	0.2	5	0.2	5	JIN184.03
Acacia aptaneura	15	6	15	6	
Acacia catenulata subsp. *occidentalis*	0.5	5	0.5	5	
Acacia distans	1	5	1	5	
Acacia pruinocarpa	3	4	3	4	
Acacia pteraneura	15	6	15	6	
Acrachne racemosa			0.1	0.1	JIN184.09w
Arivela viscosa			0.2	0.1	
**Bidens bipinnata*			0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Capparis lasiantha	0.1	0.1	0.1	0.4	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.3	
Chrysopogon fallax	1	0.2	2	0.5	
Dipteracanthus australasicus subsp. *australasicus*	0.2	0.3	0.5	0.3	JIN184.04
Duperreya commixta	0.1	0.1	0.1	0.1	
Enchylaena tomentosa var. *tomentosa*	0.1	0.5	0.1	0.5	
Enneapogon caerulescens	0.2	0.4			
Eremophila forrestii subsp. *forrestii*	0.5	1.7	0.5	1.7	JIN184.05w
Eremophila longifolia	0.1	3	0.1	3	JIN184.02
Eucalyptus xerothermica	1	8.5	4	9	JIN184.01
Euphorbia biconvexa			0.1	0.1	JIN184.06w
Exocarpos sparteus	0.1	1.8	0.1	1.8	
Ipomoea muelleri			0.1	0.1	
Iseilema membranaceum			0.1	0.2	JIN184.08w
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.1	2.2	0.1	2	
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.5	0.8	0.5	1	
Rhagodia eremaea	0.1	0.8	0.1	0.8	
Sida sp. L (A.M. Ashby 4202)	0.1	0.3			
Sporobolus australasicus			0.1	0.1	
Themeda triandra	0.1	0.4			

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
**Tribulus terrestris*			0.1	0.1	JIN184.07w
Triodia pungens	1	0.3	1	0.4	
Triodia wiseana	1	0.4	1	0.5	
Vincetoxicum lineare			0.1	0.1	JIN184.11w



Phase 1



Phase 2

Jinidi F&V **Site JIN-185**

Date	19/09/2023 & 12/03/2024
Described by	Carmel Winton, April Slater & Emily Eakin-Busher, Kay Greenacre
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	733412 mE; 7447045 mN
	119.2783 E -23.068796 S
Veg Condition	Very Good
Soil	Clayey Sand
Rock Type	BIF (ironstone)
Fire Age	Moderate (3 to 5 yr)
Habitat	Hillslope
Vegetation	*Triodia wiseana, Triodia vanleeuwenii, Triodia pungens* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia bivenosa, Senna glutinosa* subsp. *pruinosa, Senna glutinosa* subsp. x *luerssenii* mid isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0.8	0.1	0.8	
Acacia inaequilatera	0.1	0.3	0.1	0.3	
Acacia incurvaneura	0.1	1.3	0.1	1.3	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.2	
Corymbia hamersleyana	0.1	0.4	0.1	0.9	
Eremophila platycalyx subsp. *pardalota*	0.1	0.3	0.1	0.4	JIN185.01
Eriachne mucronata	0.1	0.4	0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	2.5	4	2.5	4	
Goodenia stobbsiana			0.1	0.1	
Goodenia triodiophila			0.1	0.2	
Indigofera monophylla	0.1	0.4	0.1	0.1	
Paraneurachne muelleri	0.1	0.3			
Ptilotus astrolasius	0.1	0.4	0.1	0.3	
Ptilotus rotundifolius	0.1	0.5	0.1	0.5	
Ptilotus sp. Indet	0.1	0.2			
Santalum lanceolatum	0.1	1.4	0.1	1.2	
Senna glutinosa subsp. *pruinosa*	0.1	1.5	0.1	1	
Senna glutinosa subsp. x *luerssenii*	0.1	1.2	0.1	1.3	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.4	JIN185.01w
Solanum sp. Indet			0.1	0.2	JIN160.s01
Triodia pungens	1	0.3	1	0.3	
Triodia vanleeuwenii	18	0.3	18	0.3	
Triodia wiseana	45	0.4	45	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-187**

Date 1/11/2023 & 11/03/2024

Described by Emma Marsh, Grace Taylor & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

732131 mE; 7448201 mN

119.2656 E -23.058546 S

Veg Condition Very Good

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Triodia longiceps* mid open hummock grassland with *Eremophila longifolia, Petalostylis labicheoides, Acacia pruinocarpa* mid to tall sparse shrubland with *Eucalyptus xerothermica* low isolated trees over *Ptilotus obovatus* var. *obovatus* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	0.1	2	0.1	2	
Acacia arida	0.1	1.2	0.1	0.8	
Acacia bivenosa	0.1	0.6	0.1	1	
Acacia inaequilatera	0.1	1.3	0.1	1.5	
Acacia pachyacra	0.1	2	0.1	2	JIN183.01
Acacia pruinocarpa	0.5	1.6	0.1	1.8	
Acacia pyrifolia var. *pyrifolia*	0.1	1.4	0.1	1.5	
Acacia synchronicia	0.1	0.7	0.1	0.6	
Acrachne racemosa			0.1	0.2	JIN088.11W
Aristida contorta	0.1	0.1			
Arivela viscosa			0.1	0.1	
Boerhavia coccinea			0.1	0.2	JIN181.13w
Capparis lasiantha	0.1	1.4	0.1	2.5	
**Cenchrus ciliaris*	0.5	0.5			
Chrysopogon fallax	0.1	0.3	0.1	0.4	
Dactyloctenium radulans			0.1	0.3	JIN181.12w
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.2	0.1	0.2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens			0.1	0.1	JIN187.05w
Enneapogon lindleyanus	0.1	0.2			
Enneapogon polyphyllus	0.1	0.2			
Eragrostis eriopoda	0.1	0.4	0.1	0.4	
Eremophila longifolia	4	1.4	5	1.5	
Eucalyptus xerothermica	2	6	2	6	
Eulalia aurea			0.1	0.5	
Euphorbia drummondii			0.1	0.1	
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	JIN088W.13
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	1	
Goodenia stellata			0.1	0.1	JIN187.01w
Gossypium sturtianum var. *sturtianum*	0.1	1	0.1	1	
Hakea lorea subsp. *lorea*	0.1	1.5	0.1	2	
Hibiscus sturtii var. *campylochlamys*	0.1	0.2	0.1	0.6	
Ipomoea polymorpha			0.1	0.1	JIN181.16w
Jasminum didymum subsp. *lineare*	0.1	0.5	0.1	0.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Maireana villosa	0.1	0.1	0.1	0.2	
Paraneurachne muelleri	0.1	0.3	0.1	0.5	
Paspalidium rarum			0.1	0.2	JIN090.10W
Perotis rara			0.1	0.1	
Petalostylis labicheoides	1.5	1.8	2	2	
Ptilotus astrolasius	0.1	0.5	0.1	0.5	
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.5	1	1	0.6	
Rhagodia eremaea	0.1	1.2	0.1	1.2	
Rhynchosia minima			0.1	0.1	
Salsola australis	0.1	0.1	0.1	0.1	
Scaevola amblyanthera var. *centralis*			0.1	0.3	JIN187.02w
Senna artemisioides subsp. x *artemisioides*			0.1	0.8	
**Setaria verticillata*			0.1	0.3	
Sida fibulifera	0.1	0.2	0.1	0.2	
Sida sp. L (A.M. Ashby 4202)	0.1	0.2	0.1	0.2	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1			
Solanum lasiophyllum	0.1	0.3	0.1	0.2	
Sporobolus australasicus			0.1	0.1	
Themeda triandra	0.1	0.4	0.1	0.4	
Tragus australianus			0.1	0.1	JIN187.04w
**Tribulus terrestris*			0.1	0.1	JIN187.03w
Triodia longiceps	15	0.6	15	0.8	



Phase 1



Phase 2

Jinidi F&V **Site JIN-188**

Date 1/11/2023 & 11/03/2024

Described by Emma Marsh, Grace Taylor & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

730430 mE; 7449297 mN

119.2489 E -23.048887 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type CID (riverstone)

Fire Age Old (6+ yr)

Habitat Major Drainage Line

Vegetation *Eriachne benthamii, Themeda triandra* low open tussock grassland with *Acacia pyrifolia* var. *pyrifolia*, *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) mid to low open shrubland with *Corymbia candida*, *Eucalyptus camaldulensis* subsp. *refulgens* mid isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	0.1	1.3	0.1	1.3	
Acacia arida	0.5	1.5	0.5	1.2	
Acacia maitlandii	0.1	0.6	0.1	1.2	
Acacia monticola	0.1	3.2	0.1	3.2	
Acacia pyrifolia var. *pyrifolia*	8	1.8	8	2	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.3	
Androcalva luteiflora	0.1	1.4	0.1	1.5	
Aristida contorta	0.1	0.2			
Arivela viscosa	0.1	0.3	0.1	0.3	
Boerhavia coccinea			0.1	0.1	JIN181.13w
**Cenchrus ciliaris*	0.1	0.5			
Corchorus lasiocarpus subsp. *parvus*	1	1.2	1	1.2	JIN188.02w
Corchorus tridens			0.1	0.1	JIN181.15w
Corymbia candida subsp. *candida*	0.5	10	0.5	10	
Cymbopogon ambiguus	0.1	0.5	0.1	0.6	
Dipteracanthus australasicus subsp. *australasicus*			0.1	0.5	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus	0.1	0.4	0.1	0.4	
Enneapogon polyphyllus	0.1	0.1	0.1	0.1	
Eremophila lanceolata			0.1	0.4	JIN188.03w
Eremophila longifolia	0.1	1.7	0.1	1.7	
Eriachne benthamii	20	0.4	20	0.5	JIN218.01
Eriachne mucronata			0.1	0.3	
Eriachne pulchella subsp. *dominii*	0.1	0.1	0.1	0.1	
Euphorbia tannensis subsp. *eremophila*			0.1	0.2	JIN088W.13
Euphorbia trigonosperma	0.1	0.1	0.1	0.1	
Euploca tenuifolia	0.1	0.1	0.1	0.1	
Evolvulus alsinoides var. *decumbens*	0.1	0.2	0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.3			
Gossypium australe	0.1	0.3	0.1	0.6	
Gossypium robinsonii	0.1	1.5	0.1	1.5	
Indigofera monophylla	0.1	0.4	0.1	0.5	
Ipomoea muelleri			0.1	0.1	
Ipomoea polymorpha			0.1	0.1	JIN181.16w

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Isotropis iophyta			0.1	0.6	
Nellica maderaspatensis	0.1	0.2	0.1	0.2	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Olearia fluvialis	0.1	0.3	0.1	0.3	JIN188.04w
Paraneurachne muelleri			0.1	0.3	
Paspalidium rarum			0.1	0.1	JIN090.10W
Perotis rara			0.1	0.1	
Petalostylis labicheoides	0.1	1.6	0.1	2	
Polycarpaea longiflora	0.1	0.2			
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. x *artemisioides*	0.1	1.2	0.1	1.1	
Senna notabilis			0.1	0.1	
**Setaria verticillata*			0.1	0.3	
Sida fibulifera	0.1	0.2			
Sida sp. Indet			0.1	0.6	JIN181.14w
Templetonia egena	0.1	1.1			SCDS.02
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	10	0.8	6	1	
Themeda triandra	2	0.4	0.1	0.5	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia longiceps	0.5	0.6	0.5	0.8	
Triodia pungens	0.1	0.5	0.1	0.7	
Waltheria indica	0.1	0.5			


Phase 1


Phase 2

Jinidi F&V **Site JIN-190**

Date 2/11/2023 & 11/03/2023

Described by Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 100m x 25m

Location MGA Zone 50

724234 mE; 7451018 mN

119.1882 E -23.034205 S

Veg Condition Very Good

Soil Loamy Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Medium Drainage Line

Vegetation *Eucalyptus camaldulensis* subsp. *refulgens, Eucalyptus victrix* mid open woodland over *Themeda triandra, Eulalia simonii*, **Cenchrus setiger* low open tussock grassland with *Triodia longiceps* low open hummock grassland with *Gossypium robinsonii, Petalostylis labicheoides* tall sparse shrubland over *Gossypium sturtianum* var. *sturtianum*, *Acacia bivenosa* mid sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet			0.1	0.2	
Acacia arida	0.1	0.6	0.1	0.6	
Acacia atkinsiana	0.1	1.3			
Acacia bivenosa	0.3	1.5	0.3	1.5	
Acacia citrinoviridis	0.1	2.5	0.1	1.7	JIN190.1
Acacia pteraneura	0.1	1.4			JIN177.1
Acacia pyrifolia var. *pyrifolia*	0.1	0.5	0.1	1	
Acrachne racemosa			0.1	0.2	
Afrohybanthus aurantiacus			0.1	0.2	
Androcalva luteiflora	0.2	1.2	0.1	1.7	
Arivela viscosa	0.1	0.1	0.1	0.1	
Atalaya hemiglauca	0.1	1.2	0.1	1.3	
Boerhavia sp. indet			0.1	0.1	
Bothriochloa ewartiana			0.1	0.3	JIN190.08w
Capparis lasiantha	0.1	0.3			
**Cenchrus setiger*	2	0.5	2	0.3	
Cheilanthes sieberi subsp. *sieberi*			0.1	0.1	
Convolvulus clementii			0.1	0.1	JIN190.11w
Corchorus crozophorifolius			0.1	0.4	
Corchorus tridens			0.1	0.1	
Corymbia hamersleyana	0.1	2.5			
Crotalaria medicaginea var. *neglecta*			0.1	0.2	
Cucumis variabilis			0.1	0.1	
Dactyloctenium radulans			0.1	0.1	
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.1	0.1	0.2	JIN190.3
Dodonaea lanceolata var. *lanceolata*	0.1	1			JIN190.2
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon ?robustissimus			0.1	0.1	JIN190.13w
Enneapogon polyphyllus			0.1	0.1	
Enteropogon ramosus	0.2	0.4			
Eragrostis cumingii			0.1	0.1	
Eragrostis tenellula			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eriachne mucronata			0.1	0.3	
Eriachne tenuiculmis			0.1	0.2	JIN190.10w
Eucalyptus camaldulensis subsp. *refulgens*	1.5	12	1.5	12	
Eucalyptus victrix	1	9	1	9	
Eulalia simonii			1	0.4	JIN190.07w
Euphorbia biconvexa			0.1	0.2	
Euphorbia tannensis subsp. *eremophila*	0.1	0.1	0.1	0.1	
Evolvulus alsinoides var. *decumbens*	0.1	0.1	0.1	0.2	
Fimbristylis dichotoma			0.1	0.1	
Gossypium australe			0.1	0.2	
Gossypium robinsonii	0.3	3	0.5	3	
Gossypium sturtianum var. *sturtianum*	0.5	1.5	0.5	1.5	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Ipomoea plebeia			0.1	0.1	
Iseilema membranaceum			0.1	0.1	JIN190.12w
Jasminum didymum subsp. *lineare*	0.1	0.4	0.1	0.4	
Marsilea sp. indet	0.1	0.1	0.1	0.1	JIN190.04w
Melhania oblongifolia			0.1	0.1	JIN190.05w
Nellica maderaspatensis	0.1	0.1	0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Paspalidium rarum			0.1	0.1	JIN093.13w
Petalostylis labicheoides	0.1	1.7	0.1	2	
Pluchea dentex	0.1	0.1	0.1	0.1	
Pluchea rubelliflora	0.1	0.3	0.1	0.3	
Polymeria ambigua			0.1	0.1	
Pterocaulon sphacelatum	0.1	0.1			
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.1	0.1	0.6	
Rhynchosia minima			0.1	0.2	
Salsola australis	0.1	0.1			
Senna artemisioides subsp. *helmsii*	0.1	0.4	0.1	0.5	
Senna artemisioides subsp. *oligophylla*	0.1	0.6	0.1	0.6	
Senna artemisioides subsp. x *artemisioides*	0.2	1.4	0.1	1	
Senna glutinosa subsp. x *luerssenii*	0.1	1			
Setaria surgens			0.1	0.1	
Sida sp. L (A.M. Ashby 4202)			0.1	0.1	
Solanum sp. Indet			0.1	0.1	
Sporobolus australasicus	0.1	0.1	0.1	0.1	
Stemodia sp. Indet	0.1	0.1	0.1	0.1	
Stylobasium spathulatum	0.2	1.2	0.1	1.2	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.1	0.1	0.2	
Themeda triandra	4	0.5	4	0.5	
Tragus australianus			0.1	0.1	
**Tribulus terrestris*			0.1	0.1	JIN190.06w
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia longiceps	2	0.4	2	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-191**

Date 1/11/2023 & 11/03/2024

Described by Ryan Woodhouse, Eva Karikis & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 100m x 25m

Location MGA Zone 50

726209 mE; 7450531 mN

119.2075 E -23.038329 S

Veg Condition Very Good

Soil Sandy Loam

Rock Type Detritals

Fire Age Moderate (3 to 5 yr)

Habitat Medium Drainage Line

Vegetation **Cenchrus ciliaris* low tussock grassland with *Acacia distans, Acacia citrinoviridis* tall open shrubland with *Androcalva luteiflora, Gossypium robinsonii* mid open shrubland with *Ptilotus obovatus* var. *obovatus, Corchorus crozophorifolius, Sida fibulifera* low sparse low shrubland with *Eucalyptus camaldulensis* subsp *refulgens, Eucalyptus xerothermica* low to mid sparse woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	1	JIN191.08w
Acacia bivenosa	0.1	3	0.1	3	
Acacia citrinoviridis	0.1	1.5	1.5	5	JIN181.03
Acacia pruinocarpa			0.1	1	
Acacia pyrifolia var. *pyrifolia*	0.1	1	0.1	1	
Acacia tumida var. *pilbarensis*	0.1	1	0.1	1	
Afrohybanthus aurantiacus			0.2	0.3	
Androcalva luteiflora	1	3	1	3	
Arivela viscosa	0.1	0.1	0.5	0.2	
Atalaya hemiglauca	0.1	3.5	0.1	3	
**Bidens bipinnata*			0.1	0.2	
Boerhavia coccinea			0.2	0.2	JIN082.23w
Capparis lasiantha	0.1	0.5	0.1	0.8	
**Cenchrus ciliaris*	5	0.1	40	0.8	
**Cenchrus setiger*			0.5	0.2	JIN191.17W
Corchorus crozophorifolius	0.1	0.5	0.1	0.5	JIN191.03
Corchorus tridens			0.1	0.2	JIN082.17w
Cucumis variabilis			0.1	0.1	
Dactyloctenium radulans			0.2	0.2	
Dicladanthera forrestii			0.1	0.3	
Digitaria ctenantha			0.2	0.2	
Dipteracanthus australasicus subsp. *australasicus*			0.1	0.3	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.4	0.1	0.2	
Enneapogon lindleyanus			0.2	0.3	
Enneapogon polyphyllus			0.1	0.2	JIN083.09W
Eremophila longifolia			0.1	0.6	
Eriachne benthamii	0.2	0.3	1	0.5	JIN181.08
Eucalyptus camaldulensis subsp. *refulgens*	1	15	1	15	JIN181.01
Eucalyptus xerothermica	2	10	2	10	JIN-191.01
Eulalia aurea			0.1	0.2	JIN144.04W
Euphorbia australis var. *subtomentosa*			0.1	0.1	JIN256.11w
Euphorbia boophthona	0.1	0.1			

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Euphorbia trigonosperma			0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*			0.2	0.2	
Exocarpos sparteus	0.1	0.4			
Gossypium robinsonii	2	4.5	2	4.5	
Gossypium sturtianum var. *sturtianum*	0.3	1	0.3	1	
Grevillea wickhamii	0.1	1.5	0.1	1.5	
Hakea chordophylla	0.1	3	0.1	0.3	JIN191.05
Hakea lorea subsp. lorea	0.1	2	0.1	3.2	JIN191.02
Indigofera georgei			0.1	0.1	
Ipomoea polymorpha			0.1	0.1	JIN191.16W
Isotropis iophyta			0.1	0.8	
Jasminum didymum subsp. *lineare*	0.1	0.2	0.1	0.2	
Paraneurachne muelleri			0.2	0.3	
Petalostylis labicheoides	0.1	2	0.1	1.5	
Pluchea dentex	0.1	0.1			JIN191.06
Portulaca oleracea			0.1	0.1	JON083.07
Ptilotus astrolasius			0.1	0.5	
Ptilotus calostachyus	0.1	0.4	0.1	0.2	
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	1	0.4	
Rhagodia eremaea	0.1	0.2			
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *filifolia*			0.1	1	JIN192.12w
Senna glutinosa subsp. *glutinosa*	0.1	1.7	0.1	2	
Senna notabilis			0.1	0.1	
Setaria surgens			0.1	0.3	JIN191.11W
**Setaria verticillata*			0.1	0.3	JIN191.10W
Sida fibulifera	0.1	0.1	0.5	0.2	JIN191.07w
Sida sp. L (A.M. Ashby 4202)	0.1	0.2			
Solanum lasiophyllum	0.1	0.4	0.1	0.4	
Sporobolus australasicus			0.1	0.2	JIN256.10w
Stylobasium spathulatum	0.1	1.4	0.1	1.4	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.3	0.1	0.3	
Themeda triandra	0.1	0.3	0.3	0.8	
**Tribulus terrestris*			0.1	0.1	JIN191.09W
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.2	
Triodia pungens	0.2	0.3	0.2	0.3	
Triodia wiseana			0.1	0.3	
Urochloa ?distachyos			0.1	0.2	JIN082.24w
Vachellia farnesiana var. *farnesiana*			0.1	0.3	JIN191.08w



Phase 1



Phase 2

Jinidi F&V **Site JIN-192**



Date	28/03/2024
Described by	Emily Eakin-Busher, Rylan Cunnane
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	726901 mE; 7464056 mN
	119.2123 E -22.916147 S
Veg Condition	Very Good
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Drainage Area/ Floodplain
Vegetation	*Stylobasium spathulatum*, *Acacia bivenosa* tall shrubland with *Eucalyptus camaldulensis* subsp. *refulgens* mid open woodland over *Atalaya hemiglauca*, *Acacia ampliceps* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon amplum			0.1	0.4	JIN192.04w
Acacia ampliceps			0.1	4.5	
Acacia bivenosa			2	4	
Achyranthes aspera			0.1	0.5	
Acrachne racemosa			0.1	0.3	
**Alternanthera pungens*			0.1	0.1	JIN192.02w
Atalaya hemiglauca			5	5	
Cassytha filiformis			5	0.1	
**Cenchrus ciliaris*			0.1	0.3	
**Cenchrus setiger*			0.1	0.5	
Clerodendrum floribundum var. *angustifolium*			0.1	0.5	
Commicarpus australis			0.1	0.1	
Corchorus tridens			0.1	0.1	
Enteropogon ramosus			0.1	0.3	JIN192.01w
Eucalyptus camaldulensis subsp. *refulgens*			9	16	
Gossypium robinsonii			0.1	2	
Gossypium sturtianum var. *sturtianum*			0.1	1.2	
Nicotiana benthamiana			0.1	0.3	
Paspalidium sp. Indet			0.1	0.2	
Petalostylis labicheoides			0.1	2	
Rhynchosia minima			0.1	0.1	
Senna venusta			0.1	0.2	
**Setaria verticillata*			0.1	0.3	
Stylobasium spathulatum			10	4.5	JIN192.04w

Jinidi F&V **Site JIN-193**

Date 29/10/2023 & 11/03/2024

Described by Ryan Woodhouse, Eva Karikis & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

724900 mE; 7451581 mN

119.1946 E -23.029034 S

Veg Condition Excellent

Soil Sand

Rock Type CID (calcrete/basalt slope)

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia brizoides* low open hummock grassland with *Scaevola acacioides, Maireana planifolia* x *villosa* low sparse shrubland over *Eriachne mucronata, Paraneurachne muelleri* low isolated tussock grasses with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated clumps of trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa			0.1	0.4	
Acacia tetragonophylla	0.1	0.5	0.1	0.8	
Capparis lasiantha	0.1	0.5	0.1	0.6	JIN193.03
Cassytha ? filiformis			0.1	0.1	JIN193.08w
Dodonaea coriacea	0.1	0.5	0.1	0.5	JIN217.04
Enneapogon caerulescens			0.1	0.1	
Enneapogon polyphyllus	0.1	0.1	0.1	0.2	JIN193.6
Eremophila latrobei subsp. *filiformis*	0.1	0.7	0.1	0.7	
Eriachne mucronata	0.3	0.2	0.5	0.2	JIN216.2
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	1.6	0.5	2.2	
Goodenia cusackiana	0.1	0.1	0.1	0.1	JIN193.7
Goodenia stobbsiana	0.1	0.1	0.1	0.2	
Indigofera monophylla	0.1	0.1	0.1	0.3	
Lepidium catapycnon (P4)	0.1	0.1			JIN193.02
Maireana planifolia x *villosa*	0.2	0.2	0.5	0.3	JIN193.09w
Paraneurachne muelleri	0.1	0.1	0.3	0.3	
Psydrax suaveolens			0.1	0.5	JIN193.10w
Ptilotus calostachyus			0.1	0.4	
Ptilotus exaltatus			0.1	0.1	
Scaevola acacioides	0.2	0.5	0.5	1	JIN193.01
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1	
Senna glutinosa subsp. *pruinosa*	0.1	0.2	0.1	0.8	
Senna glutinosa subsp. x *luerssenii*			0.1	0.6	
Tribulus suberosus			0.1	0.4	
Triodia brizoides	0.1	0.3	0.1	0.3	JIN193.5
Triodia vanleeuwenii	0.1	0.2	0.1	0.3	
Urochloa ?distachyos			0.1	0.2	JIN082.24w



Phase 1



Phase 2

Jinidi F&V **Site JIN-195**

Date 17/09/2023 & 25/03/2024

Described by Ryan Woodhouse, Kelby Jennings & Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

726759 mE; 7451337 mN

119.2128 E -23.030977 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Cliff

Vegetation *Acacia catenulata* subsp. *occidentalis, Acacia aptaneura, Grevillea saxicola* (P3) low open woodland with *Eremophila naaykensii* (P3), *Dodonaea pachyneura* mid sparse shrubland over *Eriachne mucronata* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	6	7	6	7	JIN213.03
Acacia ayersiana	0.1	5	0.1	5	JIN210.04
Acacia bivenosa	0.1	1.8	0.1	1.8	
Acacia catenulata subsp. *occidentalis*	25	7	25	7	JIN084.05
Acacia maitlandii	0.1	2.2	0.1	2.2	
Acacia mulganeura			0.5	7	
Amaranthus cuspidifolius			0.1	0.3	
Amphipogon sericeus	1	0.5	1	0.4	JIN045.01
Aristida contorta	1	0.2	1	0.2	
Aristida inaequiglumis	0.1	1	0.1	1	
**Bidens bipinnata*	0.1	0.1	0.1	0.1	
Capparis lasiantha			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.2	
Codonocarpus cotinifolius	0.1	1.2	0.1	1.2	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Dodonaea pachyneura	1.5	2	1.5	2	
Duperreya commixta			0.1	0.1	
Dysphania rhadinostachya subsp. *rhadinostachya*	0.1	0.1	0.1	0.2	
Enneapogon caerulescens	0.1	0.3	0.1	0.3	
Enneapogon polyphyllus			0.1	0.3	
Eremophila fraseri subsp. *fraseri*	0.1	0.1	0.1	0.5	JIN195.03
Eremophila latrobei subsp. *filiformis*	0.5	1.5	0.1	1.5	JIN195.01
Eremophila naaykensii (P3)	1	4.5	1	4.5	
Eremophila oppositifolia subsp. *angustifolia*	1	4	1	2.8	JIN195.02
Eriachne mucronata	3	0.3	3	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	4	0.1	4	
Eucalyptus pilbarensis	0.1	2	0.1	2	SCop03
Euphorbia biconvexa			0.1	0.1	
Euphorbia drummondii			0.1	0.1	JIN127.06w
Goodenia stobbsiana	0.1	0.4			
Grevillea berryana			0.1	0.6	
Grevillea saxicola (P3)	2	6	2	6	
Hakea lorea subsp. *lorea*	0.1	0.4	0.1	1.2	
Hibiscus coatesii	0.1	0.6	0.1	0.6	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)			0.1	0.7	
Hibiscus sp. Mt Robinson (G. Byrne 3537)			0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	
Lobelia heterophylla subsp. *pilbarensis*	0.1	0.2	0.1	0.2	
Nicotiana rosulata			0.1	0.1	
Oxalis sp. Pilbara (M.E. Trudgen 12725) (P2)			0.1	0.1	JIN195.04w
Paspalidium clementii			0.1	0.2	JIN127.07w
Peripleura arida	0.1	0.2	0.1	0.2	JIN210.02
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus	0.1	0.2	0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhodanthe margarethae	0.1	0.6	0.1	0.5	
Senna artemisioides subsp. *helmsii*	0.1	0.4	0.1	0.4	
Senna glutinosa subsp. *glutinosa*	0.1	2	0.1	2	
Sida sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.3	0.1	0.3	
Solanum cleistogamum	0.1	0.1	0.1	0.1	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.2	0.1	0.3	JIN053.01
Triodia vanleeuwenii	0.1	0.3	0.1	0.4	
Triodia wiseana	1	0.6	1	0.6	
Vincetoxicum lineare			0.1	0.1	JIN213.03


Phase 1


Phase 2

Jinidi F&V **Site JIN-196**

Date 17/09/2023 & 25/03/2024

Described by Sam Coultas, Sammy Alatas

Type Quadrat 50m x 50m

Location MGA Zone 50

726577 mE; 7451401 mN

119.2110 E -23.030431 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low sparse woodland with occasional pockets of *Eucalyptus pilbarensis* low open mallee woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.1	0.6	0.1	0.6	
Acacia bivenosa	0.1	0.8	0.1	0.8	
Acacia pruinocarpa	0.1	0.5	0.1	0.5	
Amphipogon sericeus	1	0.3	1	0.3	
Aristida contorta	0.1	0.1	0.1	0.1	
Codonocarpus cotinifolius	0.1	2	0.1	2	
Cymbopogon ambiguus	0.1	0.4	0.1	0.6	
Dolichocarpa crouchiana			0.1	0.1	
Enneapogon caerulescens			0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eriachne mucronata			0.1	0.2	
Eriachne pulchella	0.1	0.1	0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	3	3.5	3	3.5	
Goodenia microptera			0.1	0.1	
Goodenia stobbsiana	0.1	0.2	0.1	0.3	
Grevillea berryana	0.1	0.5	0.1	0.5	
Hakea lorea subsp. lorea	0.1	1.8	0.1	1.8	
Maireana triptera	0.1	0.2	0.1	0.2	
Paraneurachne muelleri	0.1	0.4	0.1	0.4	
Ptilotus calostachyus	0.1	0.8	0.1	0.5	
Ptilotus exaltatus	0.1	0.2	0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Scaevola acacioides	0.1	0.4	0.1	0.4	
Schizachyrium fragile	0.1	0.1	0.1	0.1	JIN119.03w
Senna glutinosa subsp. *glutinosa*	0.1	0.8	0.1	0.8	
Solanum horridum			0.1	0.2	
Triodia pungens	1	0.3	1	0.3	
Triodia vanleeuwenii	25	0.2	25	0.2	
Triodia wiseana	4	0.4	4	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-197**

Date	31/10/2023 & 23/03/2024
Described by	Sam Coultas & Ryan Woodhouse, Che Parker
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	728383 mE; 7451106 mN
	119.2286 E -23.032845 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Hillslope
Vegetation	*Triodia vanleeuwenii*, *Triodia pungens* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland with *Corchorus lasiocarpus* subsp. *parvus* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia pruinocarpa	0.1	2.5	0.1	3	
Acacia tetragonophylla	0.1	1	0.1	1	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Aristida contorta			0.1	0.1	
Codonocarpus cotinifolius			0.1	0.6	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	1	JIN197.01w
Corymbia hamersleyana	0.1	0.6	0.1	1	
Cymbopogon ambiguus	0.1	0.4			
Dampiera candicans			0.1	0.3	
Duperrea commixta			0.1	0.1	
Eriachne mucronata	0.1	0.3	0.1	0.4	
Eucalyptus leucophloia subsp. *leucophloia*	3	5	3	5	
Goodenia stobbsiana	0.1	0.3	0.1	0.4	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.1	2.2	0.1	2.2	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Ptilotus astrolasius			0.1	0.3	
Ptilotus calostachyus	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.8	0.1	2	
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	1.4	0.1	1.4	JIN107.01
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2	0.1	0.3	
Solanum lasiophyllum			0.1	0.4	
Triodia pungens	11	0.3	11	0.4	
Triodia vanleeuwenii	20	0.3	20	0.3	


Phase 1


Phase 2

Jinidi F&V **Site JIN-198**

Date 19/09/2023 & 13/03/2024

Described by Kelby Jennings, Ryan Woodhouse & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone 50

732764 mE; 7446376 mN

119.2721 E -23.074926 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Stony Plain

Vegetation *Triodia vanleeuwenii, Triodia pungens* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia, Eucalyptus gamophylla* low isolated clumps of trees with *Acacia inaequilatera*, *Acacia pruinocarpa, Acacia aptaneura* tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ancistrocarpa	0.1	0.5	0.1	0.7	
Acacia aptaneura	1	2.4	1	2.4	JIN198.06w
Acacia bivenosa	0.1	1	0.1	1	
Acacia inaequilatera	0.5	2.5	0.5	2.5	
Acacia pruinocarpa	0.2	1.2	0.2	2.3	JIN198.01
Acacia tenuissima	0.1	0.4	0.1	1	
Amphipogon sericeus	0.1	0.2			JIN045.01
Anthobolus leptomerioides			0.1	1	
Codonocarpus cotinifolius	0.1	1.7	0.1	1.5	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	0.3	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eremophila latrobei subsp. *latrobei*	0.1	1.2	0.1	1.2	JIN198.07w
Eremophila longifolia			0.1	0.5	
Eriachne pulchella			0.1	0.1	
Eucalyptus gamophylla	0.2	3.2	0.2	4	
Eucalyptus leucophloia subsp. *leucophloia*	1	6.5	1	6.5	
Fimbristylis dichotoma			0.1	0.1	
Goodenia triodiophila			0.1	0.2	
Hakea lorea subsp. *lorea*	0.1	0.4	0.1	0.4	
Halgania gustafsenii var. Mid West (G. Perry 370)			0.1	0.3	JINEEBKMG1
Indigofera monophyla	0.1	0.2	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	0.9	0.1	1	
Paraneurachne muelleri	0.1	0.2			
Ptilotus calostachyus	0.1	0.4			
Senna artemisioides subsp. *helmsii*	0.1	0.6	0.1	0.8	
Senna artemisioides subsp. *oligophylla*	0.1	0.8			
Senna glaucifolia	0.1	0.6	0.1	0.6	JIN198.04w
Senna glutinosa subsp. *glutinosa*	0.1	0.1			
Senna glutinosa subsp. x *luerssenii*	0.1	0.8	0.1	0.9	
Solanum centrale			0.1	0.25	JIN198.03w
Solanum phlomoides	0.1	1	0.1	1	
Triodia pungens	15	0.6	10	0.6	
Triodia vanleeuwenii	22	0.4	22	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-199**

Date 1/11/2023 & 12/03/2024

Described by Sam Coultas, Sammy Alatas & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 100m x 25m

Location MGA Zone 50

730020 mE; 7448054 mN

119.2451 E -23.060164 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia tumida* var. *pilbarensis*, *Acacia monticola, Acacia maitlandii* tall open shrubland with *Corymbia hamersleyana, Corymbia ferriticola, Acacia incurvaneura* low open woodland over *Eriachne mucronata, Cymbopogon ambiguus, Themeda* sp. Mt Barricade (M.E. Trudgen 2471) low sparse tussock grassland with *Triodia pungens* low isolated hummock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.1	1.1	0.1	1.1	
Acacia bivenosa	0.1	0.8	0.1	0.8	
Acacia catenulata subsp. *occidentalis*	0.5	6	0.5	6	
Acacia coriacea subsp. *pendens*			0.1	1.5	JIN199.05w
Acacia incurvaneura	2	7.5	2	8	
Acacia maitlandii	4	2.2	4	2.3	
Acacia monticola	5	3	5	3	
Acacia monticola x *tumida* var. *pilbarensis*	0.1	1.4	0.1	1.4	
Acacia pruinocarpa	0.1	1.7	0.1	1.7	
Acacia tumida var. *pilbarensis*	22	3.7	22	3.9	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.4	
Androcalva luteiflora	0.1	0.5	0.1	0.5	
Aristida burbidgeae	0.1	0.3	0.1	0.3	
Arivela viscosa			0.1	0.2	
Boerhavia sp. indet			0.1	0.1	
Capparis lasiantha	0.1	0.1	0.1	0.1	
Clerodendrum floribundum var. *angustifolium*	0.1	1	0.1	0.4	
Corymbia ferriticola	0.5	5	0.5	5	
Corymbia hamersleyana	4	5.5	4	5.5	
Cymbopogon ambiguus	2	0.5	2	0.2	
Dodonaea viscosa subsp. *mucronata*	0.1	1.2	0.1	1.2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne mucronata	5	0.3	5	0.3	
Euphorbia biconvexa			0.1	0.2	
Euphorbia tannensis subsp. *eremophila*			0.1	0.2	
Evolvulus alsinoides			0.1	0.1	
Ficus brachypoda	0.1	2	0.1	2	
Gossypium robinsonii	0.1	1.2	0.1	2.5	
Grevillea wickhamii	1	2.8	1	2.8	
Indigofera monophylla			0.1	0.2	
Jasminum didymum subsp. *lineare*	0.1	1.2	0.1	1.2	
Paspalidium sp. Indet	0.1	0.2	0.1	0.2	
Ptilotus exaltatus			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Ptilotus fusiformis	0.1	0.3			
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.3	
Rhynchosia minima			0.1	0.1	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.4	
Senna glutinosa subsp. x *luerssenii*			0.1	1	
Sida sp. Excedentifolia (J.L. Egan 1925)			0.1	0.3	JIN199.03
Sida sp. L (A.M. Ashby 4202)			0.1	0.2	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3	0.1	0.35	
Solanum horridum			0.1	0.3	JIN199.04
Tephrosia densa			0.1	0.8	JIN199.01w
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	2	0.4	2	0.4	
Themeda triandra	1	0.4	0.1	0.4	
Triodia pungens	3	0.4	3	0.4	


Phase 1


Phase 2

Jinidi F&V **Site JIN-200**

Date	1/11/2023 & 11/03/2024
Described by	Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Kay Greenacre
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	731436 mE; 7448018 mN
	119.2589 E -23.060296 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia vanleeuwenii*, *Triodia wiseana, Triodia pungens* low open hummock grassland with *Corymbia hamersleyana, Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia inaequilatera* mid isolated shrubs over *Acacia arida* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height	Cover (%)	Height	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia arida	0.5	1	0.5	0.8	
Acacia bivenosa	0.1	1	0.1	1	
Acacia pachyacra	0.1	2	0.1	1.8	JIN200.01
Acacia tenuissima	0.1	0.7	0.1	0.5	JIN110.02
Acacia trudgeniana	0.1	1.2	0.1	1.2	JIN200.03
Amphipogon sericeus			0.1	0.2	
Codonocarpus cotinifolius	0.1	3.5	0.1	3.5	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	
Corymbia hamersleyana	1	7	1	5.5	
Digitaria ammophila			0.1	0.2	JIN200.05w
Duperreya commixta	0.1	0.1	0.1	0.1	
Eremophila latrobei subsp. *glabra*	0.1	0.5	0.1	0.6	JIN200.02
Eriachne mucronata	0.2	0.2			
Eucalyptus gamophylla	0.1	3	0.1	2.5	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	2	0.1	1.7	
Fimbristylis simulans			0.1	0.1	JIN200.04w
Gompholobium oreophilum	0.1	0.4			
Goodenia stobbsiana	0.1	0.1			
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Gossypium robinsonii	0.1	2.5	0.1	2.5	
Hakea chordophylla	0.1	1.6	0.1	1.7	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Jasminum didymum subsp. *lineare*	0.1	0.4	0.1	0.8	
Petalostylis labicheoides	0.1	2.5	0.1	2.5	
Ptilotus calostachyus	0.1	0.4	0.1	0.3	
Ptilotus obovatus var. *obovatus*	0.1	0.2	0.1	0.2	
Ptilotus rotundifolius	0.1	1	0.1	1	
Senna ?ferraria	0.1	0.4	0.1	0.2	JIN112.3
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1	
Senna glutinosa subsp. x *luerssenii*	0.1	1	0.1	1	
Sida ?arenicola	0.1	1	0.1	0.1	JIN110.01
Triodia pungens	1	0.4	1	3	
Triodia vanleeuwenii	20	0.2	20	0.2	
Triodia wiseana	1	0.3	1	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-201**

Date 2/11/2023 & 12/03/2024

Described by Ryan Woodhouse, Eva Karikis & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

731178 mE; 7446337 mN

119.2566 E -23.075505 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura			0.1	0.3	JIN201.07W
Acacia arida	0.2	0.3	0.1	0.3	
Acacia atkinsiana	0.1	0.3	0.1	0.3	
Acacia pruinocarpa	0.1	0.5	0.1	0.6	
Acacia tenuissima			0.1	0.3	JIN201.06W
Amphipogon sericeus	0.1	0.1			JIN262.5
Corchorus lasiocarpus subsp. *parvus*			0.1	0.5	JIN201.04W
Dodonaea coriacea	0.1	0.2	0.1	0.2	JIN217.04
Eremophila exilifolia	0.1	0.3	0.1	0.2	JIN201.05W
Eremophila latrobei subsp. *latrobei*			0.1	0.6	JIN201.03W
Eriachne pulchella subsp. *pulchella*			0.1	0.1	JIN205.01W
Eucalyptus leucophloia subsp. *leucophloia*	0.5	7	0.5	7	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Grevillea wickhamii	0.1	0.5	0.1	0.7	
Hakea chordophylla	0.1	0.5	0.1	0.5	
Indigofera monophylla			0.1	0.1	
Senna artemisioides subsp. *helmsii* x *oligophylla*	0.1	0.4	0.1	0.4	JIN162.2
Senna glutinosa subsp. *glutinosa*	0.1	1.3	0.1	1.3	
Senna glutinosa subsp. *pruinosa*	0.1	0.6	0.1	0.6	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.2			
Solanum centrale			0.1	0.2	JIN201.02W
Triodia pungens	0.3	0.4	0.1	0.4	JIN201.1
Triodia vanleeuwenii	20	0.2	20	0.2	JIN201.07W



Phase 1



Phase 2

Jinidi F&V **Site JIN-202**

Date	29/10/2023 & 11/03/2024
Described by	Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	723107 mE; 7449022 mN
	119.1775 E -23.052369 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	Dolerite (chert, mudstone, dolerite)
Fire Age	Old (6+ yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia wiseana* low hummock grassland with *Acacia bivenosa, Scaevola acacioides* low to mid isolated clump of shrubs over *Eriachne lanata* low sparse tussock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	2.5	1.2	2.5	1.2	
Acacia inaequilatera	0.1	0.4	0.1	0.4	
Amphipogon sericeus	0.1	0.2			
Eriachne lanata	4	0.2	4	0.2	
Eriachne mucronata	0.1	0.1	0.1	0.1	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	1.4	0.5	1.4	
Goodenia cusackiana	0.1	0.2	0.1	0.2	
Goodenia stobbsiana	0.1	0.1			
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea lorea subsp. *lorea*	0.1	1.5	0.1	1	
Lepidium catapycnon (P4)	0.1	0.2	0.1	0.2	
Paraneurachne muelleri	0.1	0.1			
Ptilotus astrolasius	0.1	0.3			
Ptilotus calostachyus	0.1	0.6			
Ptilotus exaltatus			0.1	0.1	
Scaevola acacioides	0.5	0.8	0.5	0.8	JIN202.01
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.4	
Senna glutinosa subsp. *pruinosa*	0.1	0.8	0.1	0.8	
Tribulus suberosus	0.1	0.5	0.1	0.5	
Triodia angusta			1	0.3	
Triodia vanleeuwenii			0.1	0.2	
Triodia wiseana	30	0.3	30	0.3	


Phase 1


Phase 2

Jinidi F&V **Site JIN-204**

Date 2/11/2023 & 27/03/2024

Described by Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

728119 mE; 7448570 mN

119.2264 E -23.055770 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia brizoides*, *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	0.1	0.3	0.1	0.3	
Acacia bivenosa	0.1	0.7	0.1	0.7	
Acacia catenulata subsp. *occidentalis*	0.1	1	0.1	1	
Acacia pruinocarpa	0.1	0.6	0.1	0.6	
Acacia sibirica	0.1	0.8	0.1	0.8	
Acacia tenuissima	0.1	1.1	0.1	1.1	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Eriachne pulchella subsp. *dominii*			0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	1	4	1	4	
Goodenia triodiophila	0.1	0.3	0.1	0.3	
Maireana triptera	0.1	0.2	0.1	0.2	
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Petalostylis labicheoides	0.1	1.4	0.1	1.4	
Ptilotus calostachyus	0.1	0.6	0.1	0.6	
Ptilotus exaltatus	0.1	0.2	0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.3	
Scaevola acacioides	0.1	0.3	0.1	0.3	
Schizachyrium fragile			0.1	0.2	JIN178.01w
Senna glutinosa subsp. *glutinosa*	0.1	0.6	0.1	0.6	
Senna glutinosa subsp. x *luerssenii*	0.1	0.5	0.1	0.7	
Seringia exastia	0.1	0.5	0.1	0.4	
Triodia brizoides	20	0.3	20	0.3	JIN182.01
Triodia pungens	0.1	0.2	0.1	0.2	
Triodia vanleeuwenii	10	0.2	1	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-205**

Date 2/11/2023 & 12/03/2024

Described by Emma Marsh, Grace Taylor & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

730779 mE; 7447074 mN

119.2526 E -23.068907 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees (and emergent saplings) over *Senna glutinosa* subsp. *pruinosa*, *Senna glutinosa* subsp. *glutinosa* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	1.2	0.1	1	
Acacia bivenosa	0.1	0.5	0.1	0.5	
Acacia hamersleyensis	0.1	0.6	0.1	0.8	
Acacia tenuissima	0.1	1.5	0.1	1.6	JIN218.02
Amphipogon sericeus	0.5	0.2			
Clerodendrum tomentosum var. *lanceolatum*			0.1	1	JIN205.03w
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	0.1	1	
Cymbopogon ambiguus	0.1	0.3	0.1	0.3	
Dampiera candicans	0.1	0.4	0.1	0.2	
Dodonaea coriacea	0.1	0.5	0.1	1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eremophila latrobei subsp. *filiformis*	0.4	0.7	0.5	0.7	JIN163.01
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	JIN205.01W
Eucalyptus leucophloia subsp. *leucophloia*	6	4	5	4	
Gompholobium oreophilum	0.6	0.4	0.5	0.4	
Goodenia stobbsiana			0.1	0.1	
Jasminum didymum subsp. *lineare*	0.1	1.2	0.1	1.2	
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.6	0.1	0.6	
Senna ferraria	0.1	1.1	0.1	1	JIN206.03W
Senna glutinosa subsp. *glutinosa*	0.1	1.1	0.1	1.2	
Senna glutinosa subsp. *pruinosa*	0.5	1.3	0.5	1.3	
Seringia exastia	0.1	0.4	0.1	0.4	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.3	
Solanum centrale			0.1	0.2	
Triodia pungens	1	0.3	1	0.4	
Triodia vanleeuwenii	0.1	0.2	0.1	0.2	
Triodia wiseana	20	0.1	30	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-206**

Date 2/11/2023 & 12/03/2024

Described by Emma Marsh, Grace Taylor & Kaylin Geelhoed, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

728717 mE; 7446841 mN

119.2325 E -23.071297 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia monticola, Dodonaea lanceolata* var. *lanceolata, Androcalva luteiflora* tall shrubland over *Themeda triandra,* mid open tussock with *Triodia pungens* mid open hummock grassland with Corymbia hamersleyana, Eucalyptus leucophloia subsp. leucophloia low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.5	0.1	0.5	
Acacia arida	0.5	1.7	0.5	1.7	
Acacia bivenosa	0.4	1.5	0.1	1.5	
Acacia maitlandii	0.1	2	0.1	2	
Acacia monticola	40	3.5	30	3.5	
Acacia pruinocarpa	0.1	1	0.1	1	
Afrohybanthus aurantiacus	0.1	0.7			
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Androcalva luteiflora	15	4	5	4	
Capparis lasiantha	0.1	0.6	0.1	0.6	
Corymbia hamersleyana	6	10	6	10	
Cymbopogon ambiguus	0.1	0.3	0.1	0.3	
Dodonaea lanceolata var. *lanceolata*	10	2	10	2	JIN148.01
Duperreya commixta	0.1	0.1	0.1	0.1	
Eremophila longifolia	0.1	1.2	0.1	1.2	
Eriachne mucronata	0.1	0.2	0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	2	8	2	8	
Gastrolobium grandiflorum	0.1	2	0.1	2	
Gompholobium oreophilum	0.1	0.5	0.1	0.5	
Gossypium robinsonii	2	5	1	5	
Grevillea wickhamii	4	4.5	4	4.5	
Indigofera gilesii (P3)	0.1	1.5	0.1	1.5	JIN116.03
Indigofera monophylla	0.1	0.4	0.1	0.4	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Paraneurachne muelleri	0.1	0.2	0.1	0.2	
Petalostylis labicheoides	5	4	5	4	
Santalum lanceolatum	1	3	1.5	3	
Senna ferraria			0.1	1.3	JIN206.03W
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna glutinosa subsp. *pruinosa*	0.1	1	0.1	1	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.5	0.1	1.5	
Stylobasium spathulatum	0.1	1.3	0.1	1.3	
Themeda triandra	12	0.5	12	0.5	
Trichodesma zeylanicum var. *zeylanicum*	0.1	0.5			
Triodia pungens	6.5	0.5	5	0.5	



Phase 1



Phase 2

Jinidi F&V **Site JIN-207**

Date 17/09/2023 & 27/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

726549 mE; 7446934 mN

119.2114 E -23.070753 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Footslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Corymbia deserticola* subsp. *deserticola*, *Eucalyptus leucophloia* subsp. *leucophloia*, *Hakea chordophylla* low isolated trees over *Acacia hilliana* low isolated clumps of shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*			0.1	0.4	
Acacia adsurgens	0.1	0.3	0.1	0.3	
Acacia bivenosa	0.1	0.7	0.1	0.7	
Acacia hilliana	1	0.2	1	0.2	
Acacia tenuissima	0.1	0.6	0.1	0.3	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Amyema sanguinea var. *pulchra*	0.1	0.1			SCSAop001
Aristida holathera var. *holathera*	0.1	0.2	0.1	0.2	
Bonamia pilbarensis			0.1	0.1	
Codonocarpus cotinifolius	0.1	2.5	0.1	2.5	
Corymbia deserticola subsp. *deserticola*	0.5	3	0.5	3.5	
Duperreya commixta			0.1	0.1	
Enneapogon polyphyllus	0.1	0.4			
Eucalyptus gamophylla	0.1	1.8	0.1	1.8	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	5	0.5	6	
Fimbristylis dichotoma	0.1	0.1	0.1	0.1	
Fimbristylis simulans			0.1	0.1	
Goodenia stobbsiana	0.1	0.2	0.1	0.2	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.5	2.5	0.5	3.5	
Indigofera monophylla	0.1	0.3	0.1	0.2	
Paspalidium clementii			0.1	0.1	JIN255.04w
Ptilotus astrolasius	0.1	0.2	0.1	0.3	
Ptilotus calostachyus	0.1	0.4	0.1	0.3	
Santalum lanceolatum	0.1	0.7	0.1	0.7	
Senna glutinosa subsp. *pruinosa*	0.1	0.5	0.1	1.1	
Senna glutinosa subsp. x *luerssenii*	0.1	1.1	0.1	1.1	
Seringia exastia	0.1	0.5	0.1	0.5	
Sida arenicola			0.1	0.2	JIN207.01w
Triodia pungens	0.1	0.3	0.1	0.4	
Triodia vanleeuwenii	30	0.15	30	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-208**

Date 17/09/2023 & 27/03/2024

Described by Kelby Jennings, Ryan Woodhouse & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

727817 mE; 7447647 mN

119.2236 E -23.064140 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia wiseana, Triodia pungens* low open hummock grassland with *Eucalyptus kingsmillii*, *Eucalyptus gamophylla* low open mallee woodland over *Senna glutinosa* subsp. *glutinosa* mid sparse shrubland with *Corymbia hamersleyana* low isolated clumps of trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia pruinocarpa	0.1	1.5	0.1	1.5	
Acacia pyrifolia var. *pyrifolia*	0.1	2.2	0.1	2.2	
Amphipogon sericeus	0.1	0.3	0.1	0.2	JIN029.06
Codonocarpus cotinifolius	0.1	0.5	0.1	1	
Corymbia hamersleyana	0.1	3.2	0.1	3.2	
Cymbopogon ambiguus	0.1	0.2			
Dampiera candicans	0.1	0.3	0.1	0.3	
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eucalyptus gamophylla	1	3	1	3	
Eucalyptus kingsmillii	1	1	10	1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4	0.5	4	
Goodenia stobbsiana	0.1	0.2			
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.1	3	0.5	3	
Mirbelia viminalis	0.1	0.5	0.1	0.5	
Ptilotus calostachyus	0.1	0.6	0.1	0.2	
Schizachyrium fragile			0.1	0.1	JIN208.01W
Senna glutinosa subsp. *glutinosa*	0.1	1.5	1	1.5	
Senna glutinosa subsp. x *luerssenii*	0.1	0.1			
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3			
Triodia pungens	6	0.4	6	0.4	
Triodia sp. Mt Ella (M.E. Trudgen 12739) (P3)	0.5	0.4	0.5	0.4	
Triodia wiseana	8	0.4	8	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-209**

Date 16/09/2023 & 27/03/2024

Described by Emma Marsh, Emalyn Loudon & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

726394 mE; 7448361 mN

119.2096 E -23.057893 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii, Triodia wiseana* low open hummock grassland with *Eucalyptus gamophylla*, *Eucalyptus kingsmillii* low sparse mallee woodland over *Mirbelia viminalis* low isolated shrubs with *Corymbia hamersleyana* low isolated clumps of trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia pyrifolia var. *pyrifolia*	0.1	1.4	0.1	1.4	
Acacia tenuissima	0.1	0.5	0.1	0.4	JIN209.02W
Amphipogon sericeus	0.1	0.2	0.1	0.1	
Codonocarpus cotinifolius	0.1	4	0.1	4	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.3	0.1	0.3	JIN090.01
Corymbia hamersleyana	0.5	4	0.5	4	
Dampiera candicans			0.1	0.2	
Dodonaea coriacea	0.1	0.3	0.1	0.3	
Eriachne lanata	0.1	0.3	0.1	0.3	JIN065.03
Eriachne pulchella			0.1	0.1	
Eucalyptus gamophylla	6	1.8	5	1.8	
Eucalyptus kingsmillii	3	2	2	2	
Eucalyptus leucophloia subsp. *leucophloia*			0.1	1.9	
Fimbristylis dichotoma			0.1	0.1	
Goodenia stobbsiana	0.1	0.3	0.1	0.3	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.1	1.7	0.1	1.7	
Hibiscus sturtii			0.1	0.1	
Mirbelia viminalis	0.5	0.5	0.2	0.5	
Petalostylis labicheoides	0.1	0.4	0.1	0.4	
Ptilotus calostachyus	0.1	0.3			
Scaevola browniana subsp. *browniana*	0.1	0.2	0.1	0.2	
Schizachyrium fragile			0.1	0.1	JIN160.01w
Senna ferraria			0.1	0.3	JIN056.03w
Senna glaucifolia	0.1	1.3	0.1	1.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1.2	
Seringia exastia	0.1	0.4	0.1	0.4	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2	0.1	0.3	JIN209.01
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)			0.1	0.2	
Tephrosia oxalidea	0.1	0.1	0.1	0.1	
Triodia pungens	0.1	0.2	0.1	0.2	
Triodia vanleeuwenii	8	0.2	8	0.2	
Triodia wiseana	12	0.3	12	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-210**

Date 17/09/2023 & 27/03/2024

Described by Kelby Jennings, Ryan Woodhouse & Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

726339 mE; 7447519 mN

119.2092 E -23.065501 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Triodia pungens, Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3) low open hummock grassland with *Corymbia ferriticola, Eucalyptus leucophloia* subsp. *leucophloia, Acacia catenulata* subsp. *occidentalis* low open woodland over *Petalostylis labicheoides, Eremophila naaykensii* (P3), *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2) tall sparse shrubland over *Themeda triandra* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon amplum			0.1	0.4	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	1.8	0.1	2	JIN037.11
Acacia ancistrocarpa	0.1	2.5	0.1	2.5	
Acacia aptaneura	0.1	1.3	0.1	1.3	
Acacia bivenosa	0.1	2.5	0.1	2.5	
Acacia catenulata subsp. *occidentalis*			3	10	
Acacia hamersleyensis	1	5	1	5	
Acacia pyrifolia var. *pyrifolia*	0.1	1.7	0.1	1.7	
Acacia tenuissima	0.1	0.8	0.1	0.8	
Amaranthus cuspidifolius			0.1	0.2	
Amaranthus undulatus			0.1	0.2	
Androcalva luteiflora	0.1	2	0.1	2	
Aristida burbidgeae	0.1	0.3	0.1	0.3	
Astrotricha hamptonii	0.1	2.3	0.1	2.5	
Boerhavia coccinea			0.1	0.2	
Brachychiton acuminatus			0.1	0.5	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.2	
Clerodendrum floribundum var. *angustifolium*	0.5	1.7	0.1	1.7	
Clerodendrum tomentosum var. *lanceolatum*			0.1	0.2	
Codonocarpus cotinifolius	0.1	2.5	0.1	2.5	
Corchorus crozophorifolius			0.1	0.4	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.1	0.1	0.5	
Corymbia ferriticola	0.1	5	2	5	
Cucumis variabilis	0.1	0.1	0.1	0.1	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Cynanchum floribundum	0.1	0.1	0.1	0.1	
Cyperus cunninghamii subsp. *cunninghamii*	0.1	0.1	0.1	0.1	JIN210.01
Dodonaea pachyneura			0.1	1.4	
Dodonaea viscosa subsp. *spatulata*	0.1	2	0.1	2	
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya subsp. *rhadinostachya*	0.1	0.1	0.1	0.2	
Enneapogon caerulescens			0.1	0.2	
Eremophila naaykensii (P3)	0.1	3.5	0.5	3.5	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	2	7	2	7	
Euphorbia sp. indet (bi/tri)	0.1	0.1	0.1	0.2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Euphorbia tannensis subsp. *eremophila*	0.1	0.3	0.1	0.3	
Gomphrena cunninghamii			0.1	0.1	
Gossypium robinsonii	0.1	3	0.1	3	
Grevillea saxicola (P3)	0.1	1.5	0.1	1.5	
Grevillea wickhamii	0.1	2.1	0.1	2.1	
Hakea chordophylla	0.1	2	0.1	2	
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)	0.1	3	0.1	3	
Indigofera gilesii (P3)	0.1	2.2	0.1	2.5	
Jasminum didymum subsp. *lineare*	0.1	1.1	0.1	1.5	
Lobelia heterophylla subsp. *pilbarensis*	0.1	0.1	0.1	0.1	
Nellica maderaspatensis			0.1	0.2	
Olearia xerophila	0.1	0.3	0.1	0.3	JIN210.03
Oxalis sp. Pilbara (M.E. Trudgen 12725) (P2)			0.1	0.1	
Paraneurachne muelleri			0.1	0.3	
Paspalidium clementii			0.1	0.2	JIN127.07w
Peripleura arida	0.1	0.3	0.1	0.3	JIN210.02
Petalostylis labicheoides	1	2	1	2	
Pluchea dentex	0.1	0.3	0.1	0.3	
Prostanthera albiflora	0.1	0.8	0.1	0.8	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhodanthe margarethae	0.1	0.5	0.1	0.3	
Salsola australis	0.1	0.4			
Senna ferraria	0.1	0.8	0.1	0.8	
Senna glutinosa subsp. *glutinosa*	0.1	2	1	2	
Senna venusta	0.1	1.7	0.1	2	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.3	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.4	0.1	0.4	
Sida spinosa			0.1	0.3	JIN210.04w
Solanum cleistogamum	0.1	0.2	0.1	0.2	
Solanum horridum			0.1	0.4	
Solanum lasiophyllum	0.1	0.3	0.1	0.3	
Themeda triandra	5	0.4	5	0.4	
Tribulus hirsutus			0.1	0.2	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.3	
Triodia pungens	25	0.5	25	0.5	
Triodia sp. Mt Ella (M.E. Trudgen 12739) (P3)	1	0.4	1	0.4	
Triumfetta chaetocarpa	0.1	0.3	0.1	0.3	



Phase 1

Phase 2 – Photo Not Available

Jinidi F&V **Site JIN-211**

Date 16/09/2023 & 26/03/2024

Described by Emma Marsh, Emalyn Loudon & Ryan Woodhouse, Che Parker

Type Quadrat 100m x 25m

Location MGA Zone 50

725236 mE; 7448150 mN

119.1984 E -23.059955 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia pruinocarpa, Acacia hamersleyensis, Clerodendrum floribundum* var. *angustifolium, Dodonaea lanceolata* var. *lanceolata, Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2) tall shrubland over *Eriachne mucronata, Themeda* sp. Mt Barricade (M.E. Trudgen 2471) low open tussock grassland with *Corymbia ferriticola, Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Triodia pungens* low isolated clumps of hummock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)			0.1	0.6	
Acacia aneura	0.1	1	0.1	1	JIN090.04
Acacia aptaneura	5	10	5	10	JIN088.05
Acacia bivenosa	3	3	3	3	
Acacia catenulata subsp. *occidentalis*	0.1	7	0.1	7	JIN087.01
Acacia hamersleyensis	2	2.5	2	2.5	JIN099.07
Acacia monticola			0.1	1	
Acacia pruinocarpa	0.5	12	0.5	12	
Acacia pyrifolia var. *pyrifolia*	0.1	1.6	0.1	1.6	
Amaranthus undulatus			0.1	0.2	
Aristida burbidgeae	0.1	0.3	0.1	0.4	JIN224.03
Aristida holathera var. *holathera*			0.1	0.2	
Arivela viscosa			0.1	0.2	
Astrotricha hamptonii	0.1	3.5	0.1	3.5	
Bulbostylis barbata			0.1	0.1	
Capparis lasiantha	0.1	2	0.1	0.5	
Cheilanthes brownii			0.1	0.1	
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.1	
Clerodendrum floribundum var. *angustifolium*	1.5	1.2	1.5	1.2	JIN211.01
Clerodendrum tomentosum var. *lanceolatum*	0.1	1.6	0.1	1.6	JIN211.05
Codonocarpus cotinifolius	0.1	1.5	0.1	1.5	
Corymbia ferriticola	6	4.5	6	4.5	JIN211.04
Cucumis variabilis	0.1	0.1	0.1	0.1	
Cymbopogon ambiguus	0.5	0.5	0.5	0.7	
Cyperus cunninghamii subsp. *cunninghamii*	0.1	0.2			JIN224.11
Dodonaea lanceolata var. *lanceolata*	2	2.5	2	2.5	JIN099.01
Dodonaea pachyneura			0.1	1.3	
Dodonaea viscosa subsp. *mucronata*	8	2	8	2.2	
Dolichocarpa crouchiana			0.1	0.1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya subsp. *rhadinostachya*	0.1	0.2	0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eremophila ?petrophila	0.1	2.3	0.1	3	JIN221.08
Eremophila naaykensii (P3)	0.1	1	0.1	3	JIN224.01
Eriachne mucronata	10	0.3	15	0.3	JIN099.03

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eucalyptus leucophloia subsp. *leucophloia*	2.5	7	2.5	7	
Euphorbia boophthona	0.1	0.4	0.1	0.4	
Euphorbia trigonosperma			0.1	0.1	
Ficus brachypoda			0.1	0.3	
Gomphrena cunninghamii			0.1	0.1	
Grevillea wickhamii	0.1	5	0.1	5	
Hibiscus coatesii			0.1	0.1	
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)	1	2.5	1	3	JIN224.06
Indigofera fractiflexa subsp. *fractiflexa*	0.1	1.2	0.1	1.2	JIN099.02
Lobelia heterophylla subsp. *pilbarensis*	0.1	0.1	0.1	0.1	JIN211.03
Mirbelia viminalis	0.1	1.2	0.1	1.2	
Nicotiana benthamiana	0.1	0.3			JIN211.06
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Olearia xerophila	0.1	0.1			JIN211.09
Oxalis sp. Pilbara (M.E. Trudgen 12725) (P2)			0.1	0.1	JIN211.10w
Paspalidium clementii	0.1	0.1	0.1	0.1	
Peripleura arida	0.1	0.1			JIN211.07
Petalostylis labicheoides	2.5	3.5	2.5	3.5	
Psydrax latifolia	0.1	3	0.1	3	
Pterocaulon sphacelatum	0.1	0.4	0.1	0.1	
Ptilotus fusiformis			0.1	0.2	JIN116.13w
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Rhodanthe margarethae	0.1	0.1	0.1	0.1	JIN211.02
Santalum lanceolatum			0.1	1	
Senna venusta	0.1	1.4	0.1	0.2	
Sida sp. Golden calyces glabrous (H.N. Foote 32)			0.1	0.2	
Sida sp. L (A.M. Ashby 4202)			0.1	0.3	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3	0.1	0.4	JIN224.10
**Sigesbeckia orientalis*			0.1	0.1	
Solanum horridum	0.1	0.4	0.1	0.4	
Solanum lasiophyllum	0.1	0.4	0.1	0.2	JIN088.01
Streptoglossa decurrens			0.1	0.1	
Stylobasium spathulatum	0.1	1.3	2	1.3	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	2	0.4	4	0.8	JIN224.08
Tinospora smilacina			0.1	0.1	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	4	0.4	10	0.6	



Phase 1



Phase 2

Jinidi F&V **Site JIN-212**

Date 17/09/2023 & 26/03/2024

Described by Sam Coultas, Sammy Alatas & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

727005 mE; 7449046 mN

119.2155 E -23.051623 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Senna glutinosa* subsp. *glutinosa* low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.1	0.7	0.1	0.7	
Acacia bivenosa	0.1	0.7	0.1	0.7	
Acacia dictyophleba	0.1	1.2	0.1	1.2	
Acacia pruinocarpa	0.1	0.6	0.1	0.6	
Amphipogon sericeus	0.1	0.3	0.1	0.1	
Aristida contorta			0.1	0.1	JIN212.01W
Corchorus lasiocarpus			0.1	0.3	
Enneapogon polyphyllus			0.1	0.1	JIN74.27W
Eriachne mucronata	0.1	0.3			
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	1	4	1	4	
Goodenia stobbsiana	0.1	0.2			
Indigofera monophylla	0.1	0.4	0.1	0.4	
Ptilotus astrolasius			0.1	0.1	
Ptilotus calostachyus	0.1	0.5	0.1	0.4	
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. *pruinosa*	0.1	0.2	0.1	0.2	
Solanum lasiophyllum	0.1	0.5	0.1	0.5	
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)	0.1	0.1			
Triodia pungens	0.1	0.3	0.1	0.3	
Triodia vanleeuwenii	28	0.3	40	0.3	
Triodia wiseana	5	0.3	5	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-213**

Date 17/09/2023 & 26/03/2024

Described by Kelby Jennings, Ryan Woodhouse & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50
727112 mE; 7449304 mN
119.2165 E -23.049285 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Other

Vegetation *Triodia vanleeuwenii, Triodia wiseana, Triodia pungens* low open hummock grassland with *Corymbia ferriticola* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia aptaneura	0.1	4	0.1	4	JIN213.03
Acacia arida	0.1	1	0.1	0.3	
Acacia bivenosa	0.1	0.7	0.1	0.7	
Acacia pruinocarpa	0.5	1.5	0.5	1.5	JIN213.01
Amphipogon sericeus	0.1	0.3	0.1	0.1	JIN045.01
Aristida contorta	0.1	0.2	0.1	0.1	
Bulbostylis barbata	0.1	0.1			
Calytrix carinata	0.1	0.6	0.1	0.6	
Clerodendrum floribundum var. *angustifolium*			0.1	1	
Codonocarpus cotinifolius	0.1	1.3	0.1	0.7	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4			
Corymbia ferriticola	0.5	4.5	0.1	4.5	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon polyphyllus			0.1	0.1	
Enneapogon sp. Indet			0.1	0.1	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eriachne pulchella subsp. *dominii*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	6	0.5	6	
Gompholobium oreophilum	0.1	0.4	0.1	0.4	
Goodenia stobbsiana	0.1	0.5			
Grevillea berryana	0.1	1.2	0.1	1.2	JIN213.02
Grevillea wickhamii	0.1	1.5	0.1	1.5	
Hakea chordophylla	0.1	1.4	0.1	1.4	
Ptilotus calostachyus	0.1	0.5			
Scaevola acacioides	0.1	0.5	0.1	0.5	JIN213.04
Senna ferraria	0.1	1.2	0.1	1.2	JIN213.05
Senna glaucifolia			0.1	1.1	JIN213.06W
Senna glutinosa subsp. *glutinosa*	0.1	0.8	0.1	0.8	
Senna glutinosa subsp. *pruinosa*	0.1	1.2	0.1	1.2	
Sida sp. Indet			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.4			
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3	0.1	0.3	
Triodia pungens	2	0.3	1	0.3	
Triodia vanleeuwenii	7	0.2	7	0.2	
Triodia wiseana	5	0.2	5	0.2	JIN213.03


Phase 1


Phase 2

Jinidi F&V **Site JIN-214**

Date 16/09/2023 & 26/03/2024

Described by Sam Coultas, Sammy Alatas

Type Quadrat 50m x 50m

Location MGA Zone 50

725276 mE; 7447960 mN

119.1988 E -23.061664 S

Veg Condition Excellent

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii, Triodia wiseana, Triodia pungens* low hummock grassland with *Eucalyptus gamophylla, Eucalyptus leucophloia* subsp. *leucophloia, Corymbia hamersleyana* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia hamersleyensis	0.1	0.7	0.1	0.7	
Acacia pyrifolia var. *pyrifolia*	0.1	1	0.1	1	
Acacia sibirica			0.1	0.3	
Acacia tenuissima	0.1	1	0.1	1	
Amphipogon sericeus	0.1	0.1	0.1	0.1	
Codonocarpus cotinifolius	0.1	0.6	0.1	0.6	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	
Corymbia hamersleyana	1	4	1	4	
Dampiera candicans	0.1	0.2	0.1	0.2	
Eremophila jucunda subsp. *pulcherrima*	0.1	0.4	0.1	0.4	JIN023.01
Eremophila latrobei subsp. *latrobei*			0.1	0.4	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eriachne pulchella subsp. *dominii*			0.1	0.1	
Eucalyptus gamophylla	2	2	2	2	
Eucalyptus leucophloia subsp. *leucophloia*	1	2.5	1	2.5	
Goodenia stobbsiana	0.1	0.4	0.1	0.4	
Paspalidium clementii			0.1	0.1	JIN127.07w
Petalostylis labicheoides	0.1	2	0.1	2	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus			0.1	0.1	
Senna glutinosa subsp. *glutinosa*	0.1	0.8	0.1	0.8	
Senna glutinosa subsp. x *luerssenii*			0.1	0.4	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.2	0.1	0.2	
Solanum centrale			0.1	0.4	
Solanum lasiophyllum	0.1	0.4	0.1	0.4	
Solanum phlomoides			0.1	0.2	
Triodia pungens	6	0.2	6	0.2	
Triodia vanleeuwenii	8	0.2	8	0.2	
Triodia wiseana	15	0.2	15	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-215**

Date 29/10/2023 & 12/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50
723818 mE; 7446416 mN
119.1848 E -23.075801 S

Veg Condition Very Good

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Eucalyptus xerothermica* low woodland over *Triodia pungens* low open hummock grassland over *Themeda triandra, Eriachne mucronata* low sparse tussock grassland with *Petalostylis labicheoides, Acacia pyrifolia* var *pyrifolia* mid to tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon lepidum			0.1	0.1	
Acacia aptaneura	0.1	4	0.1	4	
Acacia bivenosa	0.1	2	0.1	2	
Acacia citrinoviridis	0.1	0	0.1	0	
Acacia dictyophleba	0.1	1	0.1	1	
Acacia maitlandii	0.1	1.7	0.1	1.7	
Acacia pyrifolia var. *pyrifolia*	0.5	2	0.5	2	
Acacia synchronicia	0.1	0.1			
Acrachne racemosa			0.1	0.1	
Afrohybanthus aurantiacus	0.1	0.1	0.1	0.1	
Alternanthera nana			0.1	0.1	
Androcalva luteiflora	0.1	1.8	0.1	1.8	
Aristida contorta	0.1	0.1			
**Bidens bipinnata*			0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Capparis lasiantha	0.1	1.6	0.1	1.6	
**Cenchrus ciliaris*	0.1	0.4			
Chrysocephalum apiculatum subsp. *pilbarense*	0.1	0.1	0.1	0.1	JIN215.01
Corchorus lasiocarpus subsp. *parvus*			0.1	0.1	
Corchorus tridens			0.1	0.1	
Dactyloctenium radulans			0.1	0.1	
Digitaria brownii			0.1	0.1	
Digitaria ctenantha			0.1	0.1	
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.2	0.1	0.2	
Dodonaea lanceolata var. *lanceolata*	0.1	1.2	0.1	1.2	JIN007.03
Dodonaea viscosa subsp. *mucronata*			0.1	1.3	
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya			0.1	0.1	
Enneapogon lindleyanus	0.1	0.3	0.1	0.3	
Enneapogon polyphyllus			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eragrostis cumingii			0.1	0.1	
Eragrostis eriopoda			0.1	0.1	
Eriachne benthamii			0.1	0.1	
Eriachne mucronata	0.1	0.4	2	0.4	JIN148.02
Eucalyptus xerothermica	12	6	12	6	
Euphorbia australis			0.1	0.1	
Euphorbia sp. indet (bi/tri)	0.1	0.1	0.1	0.1	
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	
Euploca tenuifolia			0.1	0.1	JIN225.02W
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Goodenia nuda			0.1	0.1	
Goodenia stellata			0.1	0.1	JIN215.02W
Gossypium robinsonii	0.1	2	0.1	2	
Gossypium sturtianum var. *sturtianum*	0.1	1.7	0.1	1.7	
Hakea lorea subsp. *lorea*	0.4	1.8	0.4	1.8	
Indigofera georgei	0.1	0.3	0.1	0.3	JIN270.01
Indigofera monophylla			0.1	0.1	
Jasminum didymum subsp. *lineare*	0.1	1.5	0.1	1.5	
Leichhardtia australis			0.1	0.1	
Nellica maderaspatensis			0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paraneurachne muelleri	0.1	0.1	0.1	0.1	
Paspalidium constrictum			0.1	0.1	JIN215.03W
Paspalidium rarum			0.1	0.1	JIN215.04W
Perotis rara			0.1	0.1	
Petalostylis labicheoides	1	3	1	3	
Portulaca oleracea			0.1	0.1	
Pterocaulon sphaeranthoides			0.1	0.1	
Ptilotus astrolasius	0.1	0.2			
Ptilotus exaltatus			0.1	0.1	
Ptilotus fusiformis			0.1	0.2	
Ptilotus obovatus var. *obovatus*	0.1	0.1	0.1	0.1	
Rhynchosia minima			0.1	0.1	
Scaevola amblyanthera var. *centralis*			0.1	0.1	
Scaevola parvifolia subsp. *pilbarae*	0.1	0.2	0.1	0.2	
Senna artemisioides subsp. x *artemisioides*	0.5	1.5	0.5	1.5	
Setaria surgens			0.1	0.1	JIN215.06W
Sida sp. L (A.M. Ashby 4202)	0.1	0.3	0.1	0.3	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.4			
Solanum lasiophyllum	0.1	0.2	0.1	0.2	
Stylobasium spathulatum	0.1	1.6	0.1	1.6	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.2	0.1	0.2	
Themeda triandra	4	0.4	4	0.4	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	
Tribulopis angustifolia			0.1	0.1	JIN215.07W

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
**Tribulus terrestris*			0.1	0.1	JIN215.08W
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	15	0.5	15	0.5	
Urochloa distachyos			0.1	0.1	JIN215.05W



Phase 1



Phase 2

Jinidi F&V **Site JIN-216**

Date 29/10/2023 & 24/03/2024

Described by Ryan Woodhouse, Eva Karikis & Vanessa Yeomans, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

723789 mE; 7447099 mN

119.1844 E -23.069642 S

Veg Condition Excellent

Soil Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3), *Triodia pungens* low hummock grassland with *Corymbia hamersleyana, Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia hamersleyensis, Mirbelia viminalis* mid to low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia hamersleyensis	0.2	1	0.2	1	JIN216.03
Amphipogon sericeus	0.1	0.1	0.1	0.1	
Cheilanthes brownii			0.1	0.1	
Clerodendrum floribundum var. *angustifolium*			0.1	0.6	
Codonocarpus cotinifolius	0.1	1	0.1	1	
Corymbia hamersleyana	5	6	2	6	
Dolichocarpa crouchiana			0.1	0.1	JIN216.04W
Eremophila latrobei	0.1	1.3	0.1	1.3	
Eriachne mucronata	0.2	0.2	0.2	0.2	JIN216.2
Eriachne pulchella subsp. *pulchella*			0.1	0.1	JIN282.05W
Eucalyptus leucophloia subsp. *leucophloia*	0.2	6	0.2	6	
Mirbelia viminalis	2	0.5	2	0.5	
Paspalidium clementii			0.1	0.1	JIN282.04W
Ptilotus exaltatus			0.1	0.2	
Santalum lanceolatum			0.1	0.8	
Schizachyrium fragile			0.1	0.1	JIN216.05W
Senna glutinosa subsp. *glutinosa*	1.5	0.1	1.5	0.1	
Senna glutinosa subsp. x *luerssenii*			0.1	0.5	
Senna notabilis			0.1	0.1	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.7	0.1	0.7	
Trachymene oleracea subsp. *oleracea*			0.1	0.1	JIN216.06W
Triodia pungens	20	0.4	15	0.4	
Triodia sp. Mt Ella (M.E. Trudgen 12739) (P3)	30	0.4	30	0.4	JIN216.01
Triodia vanleeuwenii	10	0.3	5	0.3	JIN216.03



Phase 1



Phase 2

Jinidi F&V **Site JIN-217**

Date 29/10/2023 & 12/03/2024

Described by Ryan Woodhouse, Eva Karikis & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

722630 mE; 7447052 mN

119.1731 E -23.070221 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia wiseana, Triodia angusta* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia bivenosa* low sparse shrubland with *Eucalyptus pilbarensis* low isolated clumps of trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	0.1	0.2			JIN217.01
Acacia bivenosa	1	1	1	1	
Acacia synchronicia	0.1	0.3	0.1	0.2	
Acacia tenuissima	0.1	0.3	0.1	0.3	JIN217.03
Dodonaea coriacea	0.1	0.5			JIN217.04
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne pulchella subsp. *dominii*			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	2	8	2	8	
Hakea chordophylla	0.1	1.2	0.1	1.2	
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	
Paraneurachne muelleri			0.1	0.1	
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.6	0.1	1.6	
Senna glutinosa subsp. *pruinosa*	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. x *luerssenii*	0.1	1.2	0.1	1.2	
Senna notabilis			0.1	0.1	
Senna sericea	0.1	0.5	0.1	0.5	JIN217.03
Triodia angusta			20	0.2	
Triodia wiseana	50	0.2	30	0.2	JIN217.01



Phase 1



Phase 2

Jinidi F&V **Site JIN-218**

Date 29/10/2023 & 12/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

722326 mE; 7446458 mN

119.1702 E -23.075619 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Medium Drainage Line

Vegetation *Eriachne benthamii, Themeda triandra* mid tussock grassland with *Acacia bivenosa, Petalostylis labicheoides, Acacia pyrifolia* var. *pyrifolia* tall open shrubland over *Triodia longiceps, Triodia wiseana* low sparse hummock grassland with *Eucalyptus xerothermica* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon lepidum	0.1	0.3			
Acacia bivenosa	12	2.3	12	2.3	
Acacia dictyophleba	0.1	1.2	0.1	1.2	
Acacia maitlandii	0.1	0.7	0.1	0.7	
Acacia pyrifolia var. *pyrifolia*	2	1.5	2	1.5	
Acacia synchronicia	0.1	1.2			
Acacia tenuissima	0.1	1.5	0.1	1.5	JIN218.02
Afrohybanthus aurantiacus	0.1	0.1			
Alternanthera nana			0.1	0.1	
Androcalva luteiflora	0.1	0.6	0.1	0.6	
Aristida inaequiglumis	0.1	0.3			
Arivela viscosa	0.1	0.1	0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Bonamia pilbarensis	0.1	0.1			
Capparis lasiantha	0.1	1			
Carissa lanceolata			0.1	1.5	
Codonocarpus cotinifolius			0.1	0.2	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.4	
Corchorus tridens			0.1	0.1	
Corymbia hamersleyana			0.5	6.5	
Cymbopogon ambiguus	0.1	0.4	0.1	0.4	
Dipteracanthus australasicus subsp. *australasicus*	0.1	0.2	0.1	0.2	
Dodonaea lanceolata var. *lanceolata*			0.1	1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus	0.1	0.3	0.1	0.4	
Eremophila latrobei subsp. *latrobei*	0.1	1.3			
Eriachne benthamii	25	0.5	25	0.5	JIN218.01
Eriachne mucronata	0.1	0.1	0.1	0.1	
Eucalyptus xerothermica	2.5	6	2.5	6	
Euphorbia sp. indet (bi/tri)			0.1	0.1	
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	
Evolvulus alsinoides var. *decumbens*			0.1	0.1	
Goodenia muelleriana			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Goodenia stellata			0.1	0.1	JIN183.03w
Gossypium sturtianum var. *sturtianum*			0.1	0.5	
Hakea chordophylla	0.1	3	0.1	0.3	
Hakea lorea subsp. *lorea*	0.1	1.8	0.1	1.8	
Indigofera georgei	0.1	0.4	0.1	0.4	JIN270.01
Jasminum didymum subsp. *lineare*	0.1	0.4	0.1	0.4	
Nellica maderaspatensis	0.1	0.3	0.1	0.3	
Paraneurachne muelleri	0.1	0.3	0.1	0.3	
Paspalidium sp. Indet	0.1	0.2			
Petalostylis labicheoides	5	3.5	5	3.5	
Polymeria ambigua	0.1	0.1	0.1	0.1	
Ptilotus astrolasius	0.1	0.3			
Ptilotus calostachyus	0.1	0.4			
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.1	0.1	0.1	
Rhynchosia minima	0.1	0.1	0.1	0.1	
Scaevola amblyanthera var. *centralis*			0.1	0.1	
Scaevola parvifolia subsp. *pilbarae*	0.1	0.2	0.1	0.2	
Senna artemisioides subsp. *oligophylla*	0.1	1			
Senna artemisioides subsp. x *artemisioides*	0.1	1	0.1	1	
Senna glutinosa subsp. *glutinosa*	0.1	0.6			
Senna notabilis	0.1	0.2			
Seringia nephrosperma	0.1	0.3			
Sida sp. L (A.M. Ashby 4202)	0.1	0.1	0.1	0.1	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.3	
Stylobasium spathulatum	0.1	1.5	0.1	1.5	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.3	0.1	0.3	
Themeda triandra	15	0.5	10	0.5	
Triodia longiceps	4	0.4	4	0.4	
Triodia pungens	0.5	0.3	0.5	0.3	
Triodia wiseana	0.5	0.4	0.5	0.4	


Phase 1


Phase 2

Jinidi F&V **Site JIN-219**

Date 29/10/2023 & 12/03/2024

Described by Emma Marsh, Grace Taylor & Sam Coultas, Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

723067 mE; 7446534 mN

119.1774 E -23.074832 S

Veg Condition Excellent

Soil Clay Loam Sandy

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii, Triodia wiseana* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia, Eucalyptus socialis* subsp. *eucentrica, Eucalyptus gamophylla* low open woodland over *Acacia bivenosa* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ancistrocarpa	0.1	1.2	0.1	1.4	
Acacia bivenosa	1	1.4	1	1.4	
Acacia synchronicia	0.1	1.1	0.1	1.1	
Amphipogon sericeus	0.1	0.2			
Codonocarpus cotinifolius	0.1	0.4			
Corchorus lasiocarpus subsp. *parvus*	0.1	0.2	0.1	0.4	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne mucronata	0.1	0.1	0.1	0.1	
Eriachne pulchella			0.1	0.1	
Eucalyptus gamophylla	2	2.5	2	2.5	
Eucalyptus leucophloia subsp. *leucophloia*	1	5	1	5	
Eucalyptus socialis subsp. *eucentrica*	2	1.8	2	1.8	JIN219.01
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea lorea subsp. *lorea*	0.1	0.4	0.1	0.4	
Hibiscus sp. Indet	0.1	0.1			
Indigofera monophylla	0.1	0.3	0.1	0.2	
Jasminum didymum subsp. *lineare*	0.1	0.6	0.1	0.6	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Senna artemisioides subsp. *oligophylla*	0.1	0.8	0.1	0.8	
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. x *luerssenii*	0.1	0.5	0.1	1.1	
Triodia vanleeuwenii	30	0.2	30	0.2	
Triodia wiseana	20	0.2	20	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-222**

Date 29/10/2023 & 27/03/2024

Described by Sam Coultas & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

722370 mE; 7448114 mN

119.1704 E -23.060669 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Eucalyptus gamophylla* low open woodland over *Acacia hilliana, Scaevola browniana* subsp. *browniana, Corchorus lasiocarpus* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia bivenosa	0.1	0.4	0.1	0.6	
Acacia hamersleyensis	0.1	0.3			
Acacia hilliana	1	0.4	1	0.4	
Acacia pruinocarpa	0.1	0.6	0.1	0.6	
Acacia pyrifolia var. *pyrifolia*	0.1	2.6	0.1	2.6	
Amphipogon sericeus	0.1	0.3			
Androcalva luteiflora	0.1	0.6	0.1	1	
Codonocarpus cotinifolius	0.1	0.5	0.1	0.5	
Corchorus lasiocarpus	0.1	0.2	0.1	0.5	
Corymbia hamersleyana	0.1	1.4	0.1	2	
Dampiera candicans	0.1	0.3	0.1	0.3	
Dysphania rhadinostachya	0.1	0.1			
Eremophila latrobei subsp. *filiformis*			0.1	1.2	JIN222.01W
Eremophila latrobei subsp. *latrobei*	0.1	0.4	0.1	0.4	
Eriachne lanata	0.1	0.2	0.1	0.2	
Eriachne mucronata	0.1	0.3	0.1	0.3	
Eriachne pulchella	0.1	0.1	0.1	0.1	
Eucalyptus gamophylla	2	2	5	2	
Eucalyptus leucophloia subsp. *leucophloia*	2	4	2	4	
Gompholobium oreophilum	0.1	0.4	0.1	0.4	
Goodenia cusackiana	0.1	0.1	0.1	0.1	
Goodenia stobbsiana			0.1	0.1	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Grevillea wickhamii	0.1	0.4	0.4	0.4	
Hakea chordophylla	0.1	2.5	0.1	2.5	
Hibiscus sturtii var. *campylochlamys*	0.1	0.2	0.1	0.2	
Indigofera monophylla			0.1	0.3	
Paraneurachne muelleri	0.1	0.3			
Petalostylis labicheoides	0.1	1.4	0.1	1.4	
Ptilotus calostachyus	0.1	0.4			
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	
Scaevola browniana subsp. *browniana*	0.1	0.2	0.1	0.2	
Senna glaucifolia	0.1	0.5	0.1	0.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna glutinosa subsp. *glutinosa*	0.1	0.7	0.1	0.7	
Seringia exastia			0.1	0.1	
Solanum centrale			0.1	0.1	
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)			0.1	0.1	
Triodia pungens	3	0.3	3	0.3	
Triodia vanleeuwenii	28	0.3	40	0.3	



Phase 1



Phase 2

Jinidi F&V **Site JIN-223**

Date 16/09/2023 & 26/03/2024

Described by Emma Marsh, Emalyn Loudon & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

723777 mE; 7448401 mN

119.1841 E -23.057887 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillcrest/ Upper Hillslope

Vegetation *Triodia vanleeuwenii, Triodia pungens* low open hummock grassland with *Corymbia hamersleyana*, *Eucalyptus leucophloia* subsp. *leucophloia, Hakea chordophylla* low open woodland over *Eucalyptus gamophylla* low open mallee woodland over *Acacia hilliana, Scaevola browniana* subsp. *browniana, Acacia adoxa* var. *adoxa* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.2	0.3	
Acacia hilliana	0.5	0.2	0.5	0.2	
Acacia monticola	0.5	1.3	0.5	1.3	
Acacia pruinocarpa	0.1	0.3	0.1	0.3	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Calytrix carinata	0.1	0.3	0.1	0.3	JIN223.01
Corchorus crozophorifolius	0.1	0.5			JIN090.01
Corchorus sidoides	0.1	0.2			
Corymbia hamersleyana	5	6	5	6	
Dampiera candicans	0.1	0.3	0.1	0.3	
Dodonaea coriacea	0.1	0.3	0.1	0.3	JIN088.03
Eragrostis sp. Indet	0.1	0.1			
Eremophila latrobei subsp. *filiformis*	0.1	0.4	0.1	0.4	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eriachne pulchella			0.1	0.1	
Eucalyptus gamophylla	8	2	8	2	
Eucalyptus leucophloia subsp. *leucophloia*	3.5	6.5	3.5	6.5	
Euphorbia tannensis subsp. *eremophila*	0.1	0.3	0.1	0.2	
Gompholobium oreophilum	0.1	0.4	0.1	0.4	
Goodenia triodiophila	0.1	0.1	0.1	0.1	
Hakea chordophylla	0.1	4	0.1	4	
Hibiscus sturtii var. *campylochlamys*			0.1	0.1	JIN223.03W
Indigofera monophylla	0.1	0.3	0.1	0.3	
Leichhardtia australis	0.1	0.1			
Ptilotus calostachyus	0.1	0.3			
Scaevola acacioides	0.1	0.5	0.1	0.5	JIN224.07
Scaevola browniana subsp. *browniana*	0.5	0.3	0.5	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Seringia nephrosperma			0.1	1	JIN223-01W
Triodia pungens	5	0.3	5	0.3	
Triodia vanleeuwenii	15	0.2	20	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-224**



Date	16/09/2023
Described by	Emma Marsh, Emalyn Loudon
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	723887 mE; 7448747 mN
	119.1851 E -23.054747 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Gully
Vegetation	*Santalum lanceolatum, Acacia bivenosa, Acacia pruinocarpa* mid to tall open shrubland over *Triodia pungens, Triodia wiseana* low sparse hummock grassland over *Eriachne mucronata*, *Cymbopogon ambiguus* low isolated clumps of tussock grasses with *Duperreya commixta* sparse forbland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet	0.1	0.3	0.1	0.3	
Acacia adoxa var. *adoxa*	0.1	0.3	0.1	0.3	
Acacia aneura	0.1	2	0.1	2	JIN090.04
Acacia aptaneura	0.1	1.2	0.1	1.2	JIN088.05
Acacia bivenosa	5	1.6	5	1.6	
Acacia hamersleyensis	0.5	2.5	0.5	2.5	JIN099.07
Acacia pruinocarpa	1	2	1	2	
Acacia pyrifolia var. *pyrifolia*	0.1	2	0.1	2	
Aristida burbidgeae	0.1	0.3	0.1	0.3	JIN224.03
Aristida holathera var. *holathera*	0.1	0.3	0.1	0.3	
Aristida inaequiglumis	0.1	0.3	0.1	0.3	
Astrotricha hamptonii	0.1	0.7	0.1	0.7	
Chrysopogon fallax	0.1	0.3	0.1	0.3	
Clerodendrum floribundum var. *angustifolium*	0.1	2	0.1	2	JIN224.05
Corchorus lasiocarpus subsp. *parvus*	0.1	0.8	0.1	0.8	JIN099.08
Cucumis variabilis	0.1	0.1	0.1	0.1	
Cymbopogon ambiguus	2	0.5	2	0.5	
Cyperus cunninghamii subsp. *cunninghamii*	0.1	0.2	0.1	0.2	JIN224.11
Dodonaea lanceolata var. *lanceolata*	0.1	1.7	0.1	1.7	JIN099.01
Dodonaea pachyneura	0.1	1.6	0.1	1.6	JIN224.02
Duperreya commixta	2	0.1	2	0.1	
Enneapogon caerulescens	0.1	0.2	0.1	0.2	
Enneapogon lindleyanus	0.1	0.4	0.1	0.4	
Eremophila jucunda subsp. *pulcherrima*	0.1	0.3	0.1	0.3	JIN224.04
Eremophila naaykensii (P3)	0.1	0.6	0.1	0.6	JIN224.01
Eriachne mucronata	2.5	0.3	2.5	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	1.6	0.1	1.6	
Ficus brachypoda	0.1	1.7	0.1	1.7	JIN224.09
Gossypium australe	0.1	1.6	0.1	1.6	
Grevillea saxicola (P3)	0.1	3	0.1	3	
Grevillea wickhamii	0.1	2.5	0.1	2.5	
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)	0.1	1.4	0.1	1.4	JIN224.06

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Indigofera fractiflexa subsp. *fractiflexa*	0.5	0.5	0.5	0.5	JIN099.02
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Leichhardtia australis	0.1	0.1	0.1	0.1	
Psydrax latifolia	0.1	1.4	0.1	1.4	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Santalum lanceolatum	8	1.8	8	1.8	
Scaevola acacioides	0.1	0.3	0.1	0.3	JIN224.07
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna venusta	0.1	0.6	0.1	0.6	
Sida sp. L (A.M. Ashby 4202)	0.1	0.2	0.1	0.2	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.3	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3	0.1	0.3	JIN224.10
Solanum horridum	0.1	0.1	0.1	0.1	
Stylobasium spathulatum	0.1	2.5	0.1	2.5	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.5	0.1	0.5	JIN224.08
Triodia pungens	3	0.5	3	0.5	
Triodia vanleeuwenii	0.1	0.2	0.1	0.2	
Triodia wiseana	2	0.3	2	0.3	
Vincetoxicum flexuosum	0.1	0.1	0.1	0.1	JIN224.12

Jinidi F&V **Site JIN-225**

Date 29/10/2023 & 11/03/2024

Described by Sam Coultas & Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

722329 mE; 7448831 mN

119.1699 E -23.054202 S

Veg Condition Excellent

Soil Clay Loam

Rock Type Detritals

Fire Age Old (6+ yr)

Habitat Footslope

Vegetation *Triodia wiseana* low hummock grassland with *Acacia arida*, *Acacia bivenosa* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	4	0.6	4	0.6	
Acacia bivenosa	0.5	0.7	0.5	0.7	
Afrohybanthus aurantiacus	0.1	0.2			
Arivela viscosa			0.1	0.1	
Corchorus lasiocarpus	0.1	0.4	0.1	0.4	
Eriachne mucronata	0.1	0.2			
Eucalyptus leucophloia subsp. *leucophloia*	2	3	2	3	
Euploca inexplicita			0.1	0.1	JIN269.03W
Euploca ovalifolia	0.1	0.3	0.1	0.3	JIN225.01W
Euploca tenuifolia			0.1	0.1	JIN225.02W
Goodenia triodiophila			0.1	0.1	
Ptilotus astrolasius	0.1	0.3			
Ptilotus exaltatus			0.1	0.1	
Senna glutinosa subsp. *pruinosa*	0.1	1.2	0.1	1.2	
Tribulus astrocarpus			0.1	0.1	
Triodia angusta	0.1	0.4	0.1	0.4	
Triodia wiseana	35	0.4	35	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-251**

Date 16/09/2023 & 26/03/2024

Described by Sam Coultas, Sammy Alatas & Emily Eakin-Busher, Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

723541 mE; 7448433 mN

119.1818 E -23.057626 S

Veg Condition Excellent

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Triodia pungens*, *Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3) low open hummock grassland with *Themeda triandra* low sparse tussock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.4	0.1	0.2	
Acacia bivenosa	0.1	0.6	0.1	0.7	
Acacia hamersleyensis	0.1	1.2	0.1	1.2	
Acacia maitlandii	0.1	0.8	0.1	0.8	
Acacia monticola	0.1	2.5	0.1	2	
Acacia pruinocarpa	0.1	0.5	0.1	0.6	
Acacia pyrifolia var. *pyrifolia*	0.1	1.8	0.1	1	
Acacia tenuissima	0.1	1.6	0.1	1.6	
Androcalva luteiflora	0.5	0.6	0.5	1.2	
Capparis lasiantha	0.1	0.1			
Clerodendrum floribundum var. *angustifolium*	0.1	0.8	0.1	1	
Codonocarpus cotinifolius			0.1	0.4	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	1	0.4	
Corymbia hamersleyana	0.5	4	0.5	4.3	
Cymbopogon ambiguus			0.1	0.2	
Dampiera candicans	0.1	0.3	0.1	0.2	
Dodonaea lanceolata var. *lanceolata*	0.1	0.8	0.1	1.1	
Dodonaea viscosa subsp. *mucronata*			0.1	0.5	JIN251.04w
Dodonaea viscosa subsp. *spatulata*	0.1	0.6	0.1	0.6	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eremophila latrobei subsp. *latrobei*	0.1	0.6	0.1	0.7	
Eriachne lanata			0.1	0.2	
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	2	4.5	2	4.5	
Ficus brachypoda	0.1	1.2	0.1	1.1	
Gompholobium oreophilum	0.1	0.4	0.1	0.3	
Gossypium australe			0.1	0.2	
Gossypium robinsonii	0.1	2.2	0.1	3	
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)	0.1	2.2	0.1	2.1	
Hibiscus sturtii			0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Indigofera fractiflexa subsp. *fractiflexa*	0.5	0.5	0.5	0.5	JIN071.01
Indigofera gilesii (P3)	0.1	1.8	0.1	1.8	
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	
Leichhardtia australis	0.1	0.1	0.1	0.1	
Mirbelia viminalis	0.1	0.5	0.1	0.5	
Prostanthera albiflora	0.1	0.6	0.1	0.4	JIN251.02w
Psydrax latifolia	0.1	0.5	0.1	0.5	
Ptilotus obovatus var. *obovatus*	0.1	0.5	0.1	0.5	
Santalum lanceolatum	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1.2	
Seringia exastia	1	0.6	1	0.6	
Sida sp. Excedentifolia (J.L. Egan 1925)			0.1	0.1	JIN251.01w
Sida sp. Indet			0.1	0.3	JIN251.05w
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.4	0.1	0.4	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)			0.1	0.2	
Stylobasium spathulatum	0.1	0.5	0.1	1	
Themeda triandra	5	0.4	5	0.4	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	20	0.4	20	0.4	
Triodia sp. Mt Ella (M.E. Trudgen 12739) (P3)	1	0.4	1	0.4	
Triodia wiseana	0.1	0.4	0.1	0.4	
Vincetoxicum sp. Indet			0.1	0.1	


Phase 1


Phase 2

Jinidi F&V **Site JIN-255**

Date 19/09/2023 & 23/03/2024

Described by Sam Coultas, Sammy Alatas & Ryan Woodhouse, Che Parker

Type Quadrat 50m x 50m

Location MGA Zone 50

725627 mE; 7449719 mN

119.2019 E -23.045739 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Stony Plain

Vegetation *Acacia pteraneura* low woodland with *Eremophila cuneifolia* low open shrubland over *Triodia wiseana, Triodia vanleeuwenii* low sparse hummock grassland with *Acacia tetragonophylla, Acacia synchronicia* tall sparse shrubland over *Eremophila forrestii* subsp. *forrestii*, *Senna glutinosa* subsp. ×*luerssenii* mid sparse shrubland over *Maireana triptera* low isolated chenopod shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ayersiana	0.5	3	0.5	3	JIN255.03
Acacia pteraneura	15	4.5	15	4.5	JIN255.01
Acacia sibirica			0.2	1.5	JIN255.07w
Acacia synchronicia	1	2.7	1	2.8	
Acacia tetragonophylla	1	3	1	3.5	
Aristida contorta	0.1	0.1	0.1	0.1	
Boerhavia coccinea			0.1	0.2	JIN255.06w
Cheilanthes sieberi subsp. *sieberi*	0.1	0.1	0.1	0.2	
Cynanchum viminale subsp. *australe*	0.1	0.1	0.1	0.1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon polyphyllus			0.1	0.2	
Eremophila cuneifolia	12	0.7	12	1	
Eremophila forrestii subsp. *forrestii*	1	1.8	1	1.8	
Eremophila longifolia	0.4	1.6	0.2	1.6	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Evolvulus alsinoides var. *decumbens*			0.1	0.1	
Hibiscus burtonii	0.1	0.2	0.1	0.6	
Maireana triptera	0.1	0.2	0.1	0.3	
Paspalidium clementii			0.1	0.2	JIN255.04w
Polygala glaucifolia			0.1	0.1	
Psydrax suaveolens	0.1	1.9	0.1	1.9	
Ptilotus exaltatus	0.1	0.4	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.6	
Santalum lanceolatum	0.1	1.5	0.1	1.7	
Scaevola acacioides			0.1	1.7	JIN255.08w
Senna artemisioides subsp. *helmsii*			0.1	0.2	
Senna glutinosa subsp. x *luerssenii*	0.5	1.8	0.5	2.2	
Senna sp. Meekatharra (E. Bailey 1-26)	0.1	0.7	0.1	0.7	
Senna stricta	0.1	1.8	0.1	1.8	JIN255.02
Sida sp. dark green fruits (S. van Leeuwen 2260)	0.1	0.2	0.1	0.4	
Solanum lasiophyllum	0.1	0.2	0.1	0.2	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Triodia longiceps	0.1	0.5	0.1	0.5	
Triodia vanleeuwenii	1	0.2	1	0.2	
Triodia wiseana	3	0.2	3	0.3	
Tripogonella loliiformis	0.1	0.1	0.1	0.1	JIN255.03



Phase 1



Phase 2

Jinidi F&V **Site JIN-256**

Date 28/10/2023 & 9/03/2024

Described by Sam Coultas & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 100m x 25m

Location MGA Zone 50

728919 mE; 7458253 mN

119.2328 E -22.968258 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Eriachne mucronata, Themeda triandra* low open tussock grassland with *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low open shrubland with *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides, Acacia pyrifolia* var. *pyrifolia* tall open shrubland with *Eucalyptus xerothermica, Corymbia hamersleyana* low open woodland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet			0.1	0.1	
Acacia arida	2.1	1.2	2	1.5	
Acacia bivenosa			0.1	0.5	
Acacia pruinocarpa			0.1	1.2	
Acacia pyrifolia var. *pyrifolia*	4	2.8	5	4	
Acacia tumida var. *pilbarensis*	6	3	7	3.2	
Acrachne racemosa			0.1	0.2	JIN256.09w
Afrohybanthus aurantiacus			0.1	0.4	
Alternanthera nana	0.1	0.1	0.1	0.2	
Androcalva luteiflora	2	2.2	2	2.5	
Aristida contorta			0.1	0.1	JIN256.06w
Aristida holathera var. *holathera*	0.1	0.3	0.1	0.4	
Arivela viscosa			0.1	0.2	
Atalaya hemiglauca	0.1	3	0.2	4	
**Bidens bipinnata*			0.1	0.1	
Boerhavia coccinea			0.1	0.2	JIN256.05w
Bonamia erecta			0.1	0.5	JIN256.14w
Capparis lasiantha	0.1	0.5	0.1	0.5	
**Cenchrus ciliaris*			0.1	0.3	
**Cenchrus setiger*			0.1	0.8	
Chrysopogon fallax			0.1	0.7	
Corchorus crozophorifolius	0.1	0.4	0.1	0.5	
Corymbia hamersleyana	5	6	5	6.5	
Crotalaria medicaginea var. *neglecta*			0.1	0.2	JIN256.15w
Cucumis variabilis			0.1	0.1	
Digitaria brownii			0.1	0.3	JIN256.08w
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.3	0.1	0.2	
Enneapogon lindleyanus	0.1	0.5	0.1	0.5	
Eremophila longifolia	0.1	1.2	0.1	2	
Eriachne mucronata	15	0.5	18	0.7	
Eriachne pulchella subsp. *pulchella*	0.1	0.1	0.1	0.1	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Eucalyptus xerothermica	1	5.5	1	6	
Euphorbia australis var. *subtomentosa*			0.1	0.1	JIN256.11w
Euphorbia trigonosperma			0.1	0.1	
Euploca tenuifolia			0.1	0.1	JIN256.03
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Gossypium robinsonii	0.1	3.5	0.5	4.2	
Hakea lorea subsp. *lorea*	0.1	2	0.1	2.2	
Indigofera georgei			0.1	0.8	JIN256.17w
Isotropis iophyta	0.1	0.6	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Nellica maderaspatensis			0.1	0.2	
Paraneurachne muelleri	0.1	0.3			
Paspalidium clementii			0.1	0.2	
Paspalidium rarum			0.1	0.2	JIN256.02w
Perotis rara			0.1	0.1	
Petalostylis labicheoides	1	3.2	1	4.2	
Portulaca oleracea			0.1	0.1	JON083.07
Pterocaulon sphacelatum			0.1	0.2	
Ptilotus astrolasius	0.1	0.3	0.1	0.3	
Ptilotus exaltatus	0.1	0.1	0.1	0.1	
Ptilotus obovatus var. obovatus	0.1	0.5	0.1	0.7	
Rhagodia eremaea	0.1	0.6	0.1	0.4	
Rhynchosia minima			0.1	0.1	
Senna artemisioides subsp. *helmsii*			0.1	1	JIN256.20w
Senna artemisioides subsp. *oligophylla*			0.1	0.8	
Senna glutinosa subsp. *glutinosa*			0.1	1	
Setaria surgens			0.1	0.2	JIN256.16w
**Setaria verticillata*			0.1	0.4	JIN256.12w
Sida sp. Indet			0.1	0.1	JIN256.18w
Sida sp. L (A.M. Ashby 4202)	0.1	0.1			
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.6			
Sporobolus australasicus			0.1	0.1	JIN256.10w
Stylobasium spathulatum			0.1	2.2	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	12	0.5	15	0.6	
Themeda triandra	4	0.6	4	1.1	
Tragus australianus			0.1	0.2	JIN256.13w
Tribulus sp. Indet			0.1	0.1	JIN256.19w
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	0.1	0.5	0.1	0.5	



Phase 1



Phase 2

Jinidi F&V **Site JIN-258**

Date 28/10/2023 & 9/03/2024

Described by Sam Coultas & Rylan Cunnane

Type Quadrat 50m x 50m

Location MGA Zone 50

729395 mE; 7456327 mN

119.2377 E -22.985580 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Triodia pungens* low hummock grassland with *Acacia pruinocarpa, Acacia pyrifolia* var. *pyrifolia* tall sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ancistrocarpa	0.1	0.5	0.1	0.6	
Acacia aptaneura	0.1	0.5	0.1	0.5	
Acacia pruinocarpa	2	2	2	2	
Acacia pyrifolia var. *pyrifolia*	1	1.8	1	1.8	
Afrohybanthus aurantiacus	0.1	0.4	0.1	0.4	
Anthobolus leptomerioides	0.1	2.4	0.1	2.4	
Aristida contorta	0.1	0.2	0.1	0.2	
Aristida holathera var. *holathera*	0.1	0.2			
Arivela viscosa			0.1	0.1	
Boerhavia coccinea			0.1	0.1	
Bonamia erecta	0.1	0.4	0.1	0.4	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.6	0.1	0.6	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.1			
Eremophila latrobei subsp. *filiformis*	0.1	0.4	0.1	0.4	
Eriachne pulchella	0.1	0.1	0.1	0.1	
Euphorbia australis var. *hispidula*			0.1	0.1	JIN258.02W
Euphorbia biconvexa			0.1	0.1	
Euploca tenuifolia	0.1	0.2	0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1			
Goodenia nuda			0.1	0.1	JIN258.01W
Goodenia triodiophila			0.1	0.4	
Grevillea wickhamii	0.1	0.4	0.1	0.4	
Indigofera monophylla			0.1	0.1	
Leichhardtia australis			0.1	0.1	
Paspalidium clementii			0.1	0.1	JIN269.01W
Petalostylis labicheoides	0.1	0.6			
Polymeria ambigua			0.1	0.1	
Ptilotus astrolasius	0.1	0.3			
Ptilotus calostachyus	0.1	0.5	0.1	0.5	
Ptilotus exaltatus	0.1	0.4	0.1	0.2	
Ptilotus obovatus var. *obovatus*			0.1	0.2	
Senna artemisioides subsp. *helmsii*	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	1.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna glutinosa subsp. x *luerssenii*			0.1	0.4	
Sida arenicola	0.1	1.2			
Solanum lasiophyllum	0.1	0.3	0.1	0.3	
Stylobasium spathulatum	0.1	0.6	0.1	0.6	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.2			
Triodia pungens	32	0.4	32	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-259**

Date 29/10/2023 &24/03/2024

Described by Sam Coultas & Vanessa Yeomans, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

725336 mE; 7446455 mN

119.1996 E -23.075241 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Footslope

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Corymbia hamersleyana*, *Eucalyptus gamophylla* (landscape), *Hakea chordophylla* low isolated trees over *Mirbelia viminalis* low sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.1	0.1	0.2	
Acacia pachyacra	0.1	0.3	0.1	0.3	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Corymbia hamersleyana	1	3.5	1	3.5	
Dampiera candicans	0.1	0.2	0.1	0.3	
Eriachne pulchella			0.1	0.1	
Fimbristylis simulans			0.2	0.1	JIN259.01W
Gompholobium oreophilum	0.1	0.2	0.1	0.2	
Goodenia stobbsiana	0.1	0.2	0.1	0.2	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.1	1.2	0.1	1.2	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Mirbelia viminalis	0.1	0.4	0.5	0.5	
Ptilotus fusiformis	0.1	0.3			
Scaevola browniana subsp. *browniana*			0.1	0.2	
Seringia exastia	0.1	0.3			
Solanum centrale			0.1	0.2	
Triodia vanleeuwenii	32	0.2	40	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-260**

Date 2/11/2023 &12/03/2024

Described by Emma Marsh, Grace Taylor & Kaylin Geelhoed, Eva Karikis

Type Quadrat 50m x 50m

Location MGA Zone 50

729404 mE; 7446558 mN

119.2393 E -23.073759 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type Dolerite (quartzite)

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii, Triodia pungens, Triodia wiseana* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia, Corymbia deserticola* subsp. *deserticola* low open woodland over *Acacia bivenosa, Acacia aptaneura* mid to low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia ?aptaneura (short/broad phyllode variant)	0.1	1.8			JIN260.03
Acacia adoxa var. *adoxa*	0.1	0.3	0.1	0.3	
Acacia aptaneura	0.1	0.3	0.1	0.3	
Acacia arida	0.1	0.5	0.1	0.5	
Acacia atkinsiana	0.1	1.6	0.1	1.6	JIN260.02
Acacia bivenosa	1.5	1.4	1	1.4	
Acacia maitlandii	0.1	1.6	0.1	1.6	
Acacia marramamba	0.1	1.1	0.1	1.1	JIN260.01
Acacia sibirica	0.1	1.2	0.1	1.4	JIN149.01
Acacia tetragonophylla	0.1	0.7	0.1	0.7	
Amphipogon sericeus	0.1	0.2			
Androcalva luteiflora	0.1	1.4	0.1	1.4	
Aristida contorta			0.1	0.1	
Codonocarpus cotinifolius	0.1	1.6	0.1	1.6	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.8	0.1	0.8	
Corymbia deserticola subsp. *deserticola*	2.5	1.5	0.1	1.5	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon polyphyllus			0.1	0.1	
Eremophila latrobei subsp. *filiformis*	0.1	0.6	0.1	0.6	JIN163.01
Eriachne mucronata	0.1	0.2	0.1	0.4	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	2	2	2	2	
Gompholobium oreophilum	0.1	0.4	0.1	0.4	
Hakea chordophylla	0.1	1	0.1	1	
Hibiscus sturtii var. *campylochlamys*	0.1	0.5	0.1	0.5	
Indigofera monophylla	0.4	0.6	0.1	0.2	
Paspalidium rarum			0.1	0.1	JIN090.10W
Petalostylis labicheoides	0.1	1.4	0.1	1.4	
Psydrax suaveolens	0.1	1	0.1	1	
Ptilotus calostachyus	0.1	1			
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Senna artemisioides subsp. *oligophylla*	0.4	0.4	0.1	0.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Senna glaucifolia	0.1	1.5	0.1	1.6	JIN261.01
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1.2	
Senna glutinosa subsp. *pruinosa*	0.1	1.2	0.1	1.2	
Senna glutinosa subsp. x *luerssenii*	0.1	1.4	0.1	1.4	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3	0.1	0.4	
Solanum phlomoides	0.1	0.3	0.1	0.3	
Triodia pungens	8	0.4	5	0.4	
Triodia vanleeuwenii	35	0.2	10	0.2	
Triodia wiseana	3	0.2	3	0.2	JIN260.03


Phase 1


Phase 2

Jinidi F&V **Site JIN-261**

Date 1/11/2023 & 11/03/2024

Described by Emma Marsh, Grace Taylor & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

727933 mE; 7449664 mN

119.2244 E -23.045925 S

Veg Condition Excellent

Soil Sandy Clay Loam

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Hillslope

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Hakea chordophylla*, *Acacia inaequilatera* tall isolated clumps of shrubs with *Corymbia deserticola* subsp. *deserticola* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.3	0.1	0.3	
Acacia ancistrocarpa			0.1	0.7	
Acacia arida	0.1	1	0.1	1	
Acacia inaequilatera	0.5	2	0.5	2	
Acacia pruinocarpa	0.1	1.8	0.1	2.2	
Acacia sibirica	0.1	0.3	0.1	0.5	JIN149.01
Acacia tenuissima	0.1	1.6	0.1	2.1	JIN218.02
Amphipogon sericeus	0.5	0.3	0.5	0.3	
Codonocarpus cotinifolius	0.1	1.2	0.1	1.5	
Corymbia deserticola subsp. *deserticola*	1	4	1	4	
Cymbopogon ambiguus	0.1	0.2	0.1	0.3	
Duperreya commixta			0.1	0.1	
Eriachne mucronata	0.1	0.1	0.1	0.2	
Eucalyptus gamophylla	0.1	1	0.1	1	
Fimbristylis dichotoma			0.1	0.1	
Gompholobium oreophilum	0.1	0.3	0.1	0.3	
Goodenia stobbsiana	0.1	0.3	0.1	0.3	
Goodenia triodiophila	0.1	0.1	0.1	0.2	
Hakea chordophylla	2	4	2	4.3	
Indigofera monophylla	0.1	0.2	0.1	0.2	
Ptilotus calostachyus	0.1	0.8			
Senna glaucifolia	0.1	1.6	0.1	1.6	JIN261.01
Senna glutinosa subsp. *glutinosa*	0.1	1	0.1	1	
Solanum centrale	0.1	0.2	0.1	0.1	
Solanum lasiophyllum			0.1	0.2	JIN261.03
Triodia pungens			0.1	0.4	
Triodia vanleeuwenii	20	0.2	28	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-262**

Date 2/11/2023 & 24/03/2024

Described by Ryan Woodhouse, Eva Karikis & Sam Coultas

Type Quadrat 50m x 50m

Location MGA Zone 50

727843 mE; 7446471 mN

119.2241 E -23.074758 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus gamophylla*, *Corymbia deserticola* subsp. *deserticola* low open woodland with *Acacia bivenosa*, *Acacia tenuissima* mid isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa	0.1	1.2	0.1	1.2	
Acacia pachyacra	0.1	2	0.1	2	
Acacia tenuissima			0.1	1.1	
Amphipogon sericeus			0.1	0.3	
Aristida contorta			0.1	0.3	
Aristida pruinosa			0.1	0.5	JIN262.07w
Corymbia deserticola subsp. *deserticola*	0.5	6	0.5	6	JIN261.1
Cymbopogon ambiguus	0.1	0.2	0.1	0.4	
Diplopeltis stuartii var. *stuartii*	0.1	0.1	0.1	0.1	JIN262.3
Duperreya commixta			0.1	0.1	
Eucalyptus gamophylla	0.5	6	0.5	6	
Fimbristylis simulans			0.1	0.2	
Goodenia stobbsiana			0.1	0.2	
Goodenia triodiophila			0.1	0.2	
Hakea chordophylla	0.1	3	0.1	3	
Halgania gustafsenii var. Mid West (G. Perry 370)			0.1	0.4	JINEEBKMG1
Indigofera monophylla	0.1	0.1	0.1	0.2	
Jasminum didymum subsp. *lineare*			0.1	0.1	
Leichhardtia australis			0.1	0.1	
Paraneurachne muelleri	0.1	0.1	0.1	0.3	
Psydrax suaveolens	0.1	1	0.1	1	
Ptilotus astrolasius			0.1	0.2	
Ptilotus calostachyus	0.1	0.1	0.1	0.4	
Senna artemisioides subsp. *helmsii x oligophylla*	0.1	0.3	0.1	0.3	JIN162.2
Senna artemisioides subsp. *oligophylla*	0.1	0.2	0.1	0.3	
Senna symonii			0.1	0.3	
Seringia exastia			0.1	0.4	
Sida ?arenicola	0.1	0.5			
Solanum centrale			0.1	0.3	JIN201.02W
Trianthema glossostigmum	0.1	0.1	0.1	0.1	JIN262.6
Triodia pungens	0.1	0.4	1	0.4	
Triodia vanleeuwenii	15	0.2	30	0.2	



Phase 1



Phase 2

Jinidi F&V **Site JIN-263**

Date 2/11/2023 & 12/03/2024

Described by Ryan Woodhouse, Eva Karikis & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 200m x 12.5m

Location MGA Zone 50

731819 mE; 7447465 mN

119.2627 E -23.065234 S

Veg Condition Excellent

Soil Loamy Sand

Rock Type CID

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Acacia monticola, Acacia maitlandii, Acacia bivenosa* tall open shrubland over *Themeda triandra* low sparse tussock grassland with *Triodia pungens* low sparse hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon macrum			0.1	0.2	
Abutilon sp. Indet			0.1	0.2	
Acacia ancistrocarpa	0.1	1.5			
Acacia arida	0.1	1.4	0.1	0.4	
Acacia bivenosa	2	2	2	2	
Acacia maitlandii	3	2.2	3	2.2	
Acacia monticola	10	3	10	3	
Acacia sp. Indet			0.1	0.3	
Acacia tumida var. *pilbarensis*	0.1	4			
Afrohybanthus aurantiacus			0.1	0.6	
Androcalva luteiflora	0.1	2	0.1	2	
Aristida contorta	0.1	0.1			
Capparis lasiantha	0.1	0.2	0.1	0.1	
Clerodendrum floribundum var. *angustifolium*			0.1	0.4	
Codonocarpus cotinifolius	0.1	0.3	0.1	0.5	
Corchorus lasiocarpus subsp. *parvus*			0.1	0.3	
Corymbia hamersleyana	0.1	8	0.1	6	JIN163.1
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.2	0.2	0.1	0.4	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.1			JIN263.3
Enneapogon polyphyllus			0.1	0.1	
Eremophila platycalyx			0.1	0.3	JIN263.03w
Eriachne mucronata	0.1	0.2	0.1	0.2	
Eucalyptus leucophloia subsp. *leucophloia*	0.3	8	0.3	8	
Euphorbia biconvexa			0.1	0.1	
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Gossypium robinsonii	0.1	2	0.1	2	
Hakea chordophylla			0.1	0.4	
Indigofera monophylla	0.1	0.2	0.1	0.25	
Jasminum didymum subsp. *lineare*	0.1	0.5	0.1	0.1	
Lepidium catapycnon (P4)	0.1	0.3	0.1	0.3	JIN263.2

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Nellica maderaspatensis			0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paraneurachne muelleri			0.1	0.2	
Paspalidium clementii			0.1	0.2	
Paspalidium rarum			0.1	0.1	JIN093.13w
Paspalidium sp. Indet			0.1	0.1	
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.2	0.1	0.4	
Rhynchosia minima			0.1	0.1	
Santalum lanceolatum	0.5	2	0.5	2	
Senna artemisioides subsp. *helmsii*			0.1	0.2	
Senna glutinosa subsp. *glutinosa*	0.1	1.4	0.1	0.2	
Senna glutinosa subsp. *pruinosa*	0.1	1	0.1	0.8	
Senna glutinosa subsp. x *luerssenii*			0.1	0.1	
Senna notabilis			0.1	0.1	
Solanum phlomoides			0.1	0.1	
Stylobasium spathulatum	0.1	1.7	0.1	1.7	
Tephrosia densa			0.1	1	JIN263.01w
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.1	0.1	0.2	
Themeda triandra	2	1	2	0.3	
Triodia angusta	0.1	0.1	0.2	0.3	JIN263.02w
Triodia pungens	0.2	0.3	0.2	0.3	JIN201.1
Triodia wiseana	0.1	0.2	0.1	0.3	


Phase 1


Phase 2

Jinidi F&V **Site JIN-264**

Date	1/11/2023 & 23/03/2024
Described by	Sam Coultas
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	730835 mE; 7449744 mN
	119.2527 E -23.044797 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Footslope
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Hakea chordophylla, Eucalyptus gamophylla* low isolated clumps of trees over *Acacia arida, Acacia pachyacra* mid to low isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	0.1	0.2	
Acacia adsurgens			0.1	0.3	
Acacia arida	0.5	0.7	0.5	0.7	
Acacia bivenosa			0.1	0.6	
Acacia pachyacra	0.1	1.8	0.1	1.8	
Acacia pruinocarpa	0.1	1.2	0.1	1.2	
Amphipogon sericeus	0.1	0.3	0.1	0.3	
Bonamia pilbarensis			0.1	0.1	
Duperreya commixta	0.1	0.1	0.1	0.1	
Eriachne pulchella			0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4	0.5	4	
Gompholobium oreophilum			0.1	0.1	
Goodenia stobbsiana	0.1	0.3	0.1	0.3	
Goodenia triodiophila	0.1	0.2	0.1	0.2	
Hakea chordophylla	0.5	3.2	0.5	3.2	
Indigofera monophylla			0.1	0.1	
Ptilotus calostachyus	0.1	0.6	0.1	0.6	
Ptilotus fusiformis			0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.2	0.1	1.2	
Seringia exastia	0.1	0.4	0.1	0.4	
Triodia pungens	2	0.4	2	0.4	
Triodia vanleeuwenii	31	0.2	31	0.2	
Triodia wiseana	0.1	0.4	0.1	0.4	


Phase 1


Phase 2

Jinidi F&V **Site JIN-265**



Date	27/03/2024
Described by	Vanessa Yeomans, Eva Karikis
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	725147 mE; 7449479 mN
	119.1973 E -23.047970 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Footslope
Vegetation	*Triodia sp. indet, Triodia wiseana* low hummock grassland with *Eucalyptus leucophloia subsp. leucophloia* low isolated trees over *Senna glutinosa* subsp. ×*luerssenii*, *Senna glutinosa* subsp. *pruinosa* mid sparse shrubland with *Maireana ?georgei*, *Sclerolaena* sp. indet low sparse chenopod shrubland over *Enneapogon polyphyllus* low isolated tussock.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia bivenosa			0.1	0.6	
Acacia synchronicia			0.1	1.1	
Dodonaea coriacea			0.1	0.3	
Enneapogon caerulescens			0.1	0.2	JIN265.06W
Enneapogon polyphyllus			0.5	0.2	JIN265.02W
Enneapogon sp. Indet			0.1	0.1	JIN265.08W
Eremophila cuneifolia			0.1	0.5	
Eucalyptus leucophloia subsp. *leucophloia*			1	2.5	
Maireana ?georgei			0.2	0.2	JIN265.05
Paspalidium clementii			0.1	0.2	JIN265.07W
Ptilotus exaltatus			0.1	0.1	
Ptilotus rotundifolius			0.1	0.6	
Sclerolaena sp. Indet			0.1	0.2	JIN275.01
Senna glutinosa subsp. *pruinosa*			0.1	1.2	
Senna glutinosa subsp. x *luerssenii*			0.5	1	
Triodia sp. Indet			45	0.2	JIN265.03W
Triodia wiseana			0.5	0.2	JIN265.04W

Jinidi F&V **Site JIN-266**

Date 29/10/2023 & 24/03/2024

Described by Sam Coultas

Type Quadrat 100m x 25m

Location MGA Zone 50

725197 mE; 7446983 mN

119.1982 E -23.070498 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Gully

Vegetation *Acacia monticola, Petalostylis labicheoides, Acacia hamersleyensis* tall open shrubland over *Themeda triandra, Eriachne mucronata, Cymbopogon ambiguus* low open tussock grassland with *Triodia pungens* low sparse hummock grassland with *Corymbia ferriticola* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	1.6	0.1	1.6	
Acacia arida	0.1	0.5	0.1	0.5	
Acacia catenulata subsp. *occidentalis*	0.1	3	0.1	3	
Acacia hamersleyensis	3	3.2	3	3.2	
Acacia incurvaneura	0.5	5.5	0.5	5.5	
Acacia monticola	15	3.5	15	3.5	
Acacia pruinocarpa	0.1	3	0.1	3	
Acacia pyrifolia var. *pyrifolia*	0.1	2	0.1	2	
Amaranthus undulatus			0.1	0.1	
Androcalva luteiflora	1	1.4	1	1.4	
Aristida burbidgeae			0.1	0.4	
Arivela viscosa			0.1	0.3	
Astrotricha hamptonii	0.1	2.2	0.1	2.2	
**Bidens bipinnata*			0.1	0.2	
Capparis lasiantha	0.1	0.1	0.1	0.1	
Clerodendrum floribundum var. *angustifolium*	0.1	0.4	0.4	1	
Clerodendrum tomentosum var. *lanceolatum*			0.1	0.2	
Corymbia ferriticola	2	4.5	2	4.5	
Corymbia hamersleyana	0.1	1.8	0.1	1.8	
Cucumis variabilis			0.1	0.1	
Cymbopogon ambiguus	0.1	0.6	0.1	0.6	
Dodonaea pachyneura	0.1	2.2	0.1	2.2	
Dodonaea viscosa subsp. *mucronata*	0.1	1.3	0.1	1.3	
Duperreya commixta	0.1	0.1	0.1	0.1	
Dysphania rhadinostachya	0.1	0.2			
Eremophila naaykensii (P3)	1	1.8	1	1.8	
Eriachne mucronata	2	0.3	2	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	5.5	0.1	5.5	
Euphorbia trigonosperma			0.1	0.2	
Gossypium robinsonii	0.1	3	0.1	3	
Grevillea wickhamii	0.5	3.5	0.5	3.5	
Indigofera fractiflexa subsp. *fractiflexa*	0.1	0.3	0.1	0.3	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Indigofera monophylla	0.1	0.3	0.1	0.3	
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.2	
Paspalidium clementii			0.1	0.2	JIN127.07w
Petalostylis labicheoides	2	3.4	2	3.4	
Ptilotus obovatus var. *obovatus*	0.1	0.3	0.1	0.3	
Santalum lanceolatum	0.1	0.6	0.1	0.6	
Senna glutinosa subsp. *glutinosa*	0.1	0.5	0.1	0.5	
Senna notabilis			0.1	0.1	
Senna symonii			0.1	0.2	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3	0.1	0.3	
Stylobasium spathulatum	0.1	0.6	0.1	0.6	
Themeda triandra	10	0.5	10	0.5	
Trichodesma zeylanicum var. *zeylanicum*	0.1	0.5	0.1	0.5	
Triodia pungens	8	0.4	8	0.5	
Triodia wiseana	0.1	0.3	0.1	0.3	


Phase 1


Phase 2

Jinidi F&V **Site JIN-269**

Date 28/10/2023 & 9/03/2024

Described by Sam Coultas & Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

729181 mE; 7454904 mN

119.2358 E -22.998447 S

Veg Condition Very Good

Soil Clay Loam

Rock Type BIF

Fire Age Old (6+ yr)

Habitat Drainage Area/ Floodplain

Vegetation *Acacia catenulata* subsp. *occidentalis*, *Acacia incurvaneura*, *Acacia pruinocarpa* low woodland over *Eremophila forrestii* subsp. *forrestii* mid sparse shrubland over *Triodia pungens*, *Triodia vanleeuwenii* low isolated clumps of hummock grasses.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon otocarpum			0.1	0.1	
Acacia bivenosa	0.1	1.5			
Acacia catenulata subsp. *occidentalis*	14	6.5	14	6.5	
Acacia incurvaneura	0.1	4	0.1	4	
Acacia pruinocarpa	0.1	3.5	0.1	3.5	
Acacia sibirica	0.1	1.4			
Aristida contorta	0.1	0.1	0.1	0.2	
Aristida latifolia	0.1	0.4			
Arivela viscosa			0.1	0.1	
**Bidens bipinnata*			0.1	0.1	
Boerhavia coccinea			0.1	0.1	
**Cenchrus ciliaris*	0.1	0.5			
Corymbia deserticola subsp. *deserticola*	0.1	1.3	0.1	1.3	
Cucumis variabilis			0.1	0.1	
Dendrophyllanthus erwinii			0.1	0.1	
Duperreya commixta	0.1	0.1			
Enneapogon caerulescens			0.1	0.1	
Enneapogon lindleyanus	0.1	0.4			
Enneapogon polyphyllus			0.1	0.2	
Enteropogon ramosus	0.1	0.3			
Eragrostis eriopoda	0.1	0.2	0.1	0.2	
Eremophila forrestii subsp. *forrestii*	3	1.2	3	1.2	
Euphorbia australis var. *hispidula*			0.1	0.1	JIN269.02W
Euploca inexplicita			0.1	0.1	JIN269.03W
Evolvulus alsinoides var. *villosicalyx*			0.1	0.2	
Grevillea wickhamii	0.1	0.6			
Hibiscus burtonii	0.1	0.5	0.1	0.1	
Hibiscus sturtii			0.1	0.1	
Maireana tomentosa	0.1	0.2	0.1	0.2	
Paspalidium clementii			0.1	0.2	JIN269.01W
Perotis rara			0.1	0.1	
Portulaca oleracea			0.1	0.1	
Psydrax suaveolens	0.1	0.6	0.1	0.6	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Ptilotus exaltatus			0.1	0.1	
Ptilotus helipteroides			0.1	0.1	
Salsola australis	0.1	0.1	0.1	0.1	
Senna artemisioides subsp. *helmsii*	0.1	0.5	0.1	1	
Senna artemisioides subsp. *oligophylla*	0.1	0.3	0.1	0.1	
Senna glutinosa subsp. x *luerssenii*	0.1	1.9	0.1	1.9	
Senna notabilis			0.1	0.1	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.3			
Solanum lasiophyllum	0.1	0.5	0.1	0.5	
Sporobolus australasicus			0.1	0.2	
Tribulus hirsutus			0.1	0.1	
Tribulus suberosus	0.1	0.5	0.1	0.5	
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	4	0.4	4	0.4	
Triodia vanleeuwenii	4	0.2	4	0.4	


Phase 1


Phase 2

Jinidi F&V **Site JIN-270**

Date 28/10/2023 & 10/03/2024

Described by Emma Marsh, Grace Taylor & Kaylin Geelhoed, Eva Karikis

Type Quadrat 100m x 25m

Location MGA Zone 50

728499 mE; 7454490 mN

119.2293 E -23.002279 S

Veg Condition Very Good

Soil Clay Loam Sandy

Rock Type CID

Fire Age Moderate (3 to 5 yr)

Habitat Minor Drainage Line

Vegetation *Acacia tumida* var. *pilbarensis, Petalostylis labicheoides, Santalum lanceolatum, Acacia pyrifolia* var. *pyrifolia* tall open shrubland over *Senna artemisioides* subsp. *oligophylla, Stylobasium spathulatum* mid sparse shrubland over *Themeda triandra, Cymbopogon ambiguus, Enneapogon lindleyanus. Enneapogon caerulescens* low sparse tussock grassland with *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon lepidum	0.1	0.1	0.1	0.1	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	2.6	0.1	2	
Acacia pyrifolia var. *pyrifolia*	4	2.5	4	2.5	
Acacia tumida var. *pilbarensis*	10	4.5	10	4.5	
Afrohybanthus aurantiacus	0.1	0.3	0.1	0.3	
Amphipogon sericeus	0.1	0.2	0.1	0.2	
Androcalva luteiflora	0.1	1.5	0.1	1.5	
Aristida contorta	0.1	0.1			
Aristida holathera var. *holathera*	0.1	0.4	0.1	0.3	
Arivela viscosa	0.1	0.1	0.1	0.1	
Boerhavia coccinea			0.1	0.1	
**Cenchrus ciliaris*	0.5	0.5	0.5	0.5	
Corchorus crozophorifolius	0.1	1	0.1	1	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.4	0.1	0.1	
Corymbia hamersleyana	0.5	5.5	0.5	5.5	
Cucumis variabilis	0.1	0.1	0.1	0.1	
Cymbopogon ambiguus	2	0.6	2	0.6	
Digitaria ctenantha			0.1	0.1	JIN270.01W
Dodonaea lanceolata var. *lanceolata*			0.1	0.5	JIN270.09
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens	0.1	0.3	0.1	0.3	
Enneapogon lindleyanus	0.1	0.6	0.1	0.6	
Enneapogon polyphyllus	0.1	0.1	0.1	0.1	
Eragrostis eriopoda	0.1	0.3	0.1	0.3	
Eremophila longifolia	0.1	1.1	0.1	1.2	
Eriachne lanata			0.1	0.2	JIN270.10W
Eriachne mucronata	0.1	0.2	0.1	0.3	
Euphorbia biconvexa			0.1	0.1	JIN184.06w
Euphorbia tannensis subsp. *eremophila*			0.1	0.1	JIN088W.13
Evolvulus alsinoides var. *decumbens*	0.1	0.2	0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.1	0.1	0.1	
Gossypium robinsonii	0.1	4.5	0.1	4.5	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Grevillea wickhamii	0.1	4	1	4	
Hibiscus sturtii var. *platychlamys*	0.1	1.4	0.1	0.5	
Indigofera georgei	0.1	0.6	0.1	1.2	JIN270.04
Indigofera monophylla			0.1	0.3	JIN270.03
Jasminum didymum subsp. *lineare*	0.1	1	0.1	1	
Melhania oblongifolia			0.1	0.1	JIN270.06
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paraneurachne muelleri	0.1	0.3	0.1	0.2	
Paspalidium clementii			0.1	0.2	JIN270.08
Perotis rara			0.1	0.1	
Petalostylis labicheoides	5	3	5	3	
Ptilotus astrolasius	0.1	0.4	0.1	0.4	
Ptilotus exaltatus	0.1	0.2	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	1	0.1	1	
Rhynchosia minima			0.1	0.1	
Salsola australis	0.1	0.8	0.1	0.8	
Santalum lanceolatum	3	2	3	2	
Senna artemisioides subsp. *helmsii*	0.1	0.4	0.1	0.4	
Senna artemisioides subsp. *oligophylla*	3	1.2	3	1.2	
Senna glutinosa subsp. *glutinosa*	0.1	0.8	0.1	0.8	
Senna glutinosa subsp. x *luerssenii*	0.1	1	0.1	1.2	
Senna notabilis			0.1	0.1	
Sida ?sp. L (A.M. Ashby 4202)	0.1	0.1			
Solanum phlomoides	0.1	1.3	0.1	0.1	
Sporobolus australasicus			0.1	0.3	
Stylobasium spathulatum	2	1.4	2	1.4	
Tephrosia densa			0.1	0.5	JIN270.05
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.2	0.1	0.2	
Themeda triandra	2.5	0.4	2.5	0.4	
Tribulus hirsutus			0.1	0.1	JIN270.11W
Trichodesma zeylanicum var. *zeylanicum*			0.1	0.1	
Triodia pungens	0.1	0.3	0.1	0.3	
Waltheria indica	0.1	0.4	0.1	0.4	



Phase 1



Phase 2

Jinidi F&V **Site JIN-271**

Date 3/11/2023 & 11/03/2024

Described by Ryan Woodhouse, Eva Karikis & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

723670 mE; 7451737 mN

119.1826 E -23.027787 S

Veg Condition Excellent

Soil Sandy Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Stony Plain

Vegetation *Acacia synchronicia, Acacia pteraneura, Acacia aptaneura* tall open shrubland over *Triodia wiseana, Triodia longiceps* low open hummock grassland with *Eremophila cuneifolia* mid sparse shrubland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	2.5	0.1	3.2	
Abutilon sp. Indet			0.1	0.1	
Acacia aptaneura	0.1	4	0.1	4	JIN271.18w
Acacia bivenosa	0.1	3	0.1	3	
Acacia pruinocarpa	0.1	1.8	0.1	2	
Acacia pteraneura	2	4.5			
Acacia sibirica	0.1	3	0.1	3	
Acacia synchronicia	9	3	10	3.5	
**Bidens bipinnata*			0.1	0.1	
Bulbostylis barbata	0.1	0.1			
Capparis lasiantha	0.1	1.2	0.1	1.8	
**Cenchrus ciliaris*			0.1	0.3	
Corchorus ?lasiocarpus subsp. parvus	0.1	0.5			
Corchorus sp. Indet			0.1	0.1	JIN083.05W
Cymbopogon ambiguus	0.1	0.3	0.1	0.3	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon caerulescens			0.1	0.1	
Enneapogon lindleyanus			0.1	0.3	
Eremophila cuneifolia	0.2	0.8	0.5	1	JIN271.04
Eremophila phyllopoda subsp. *obliqua*	0.1	0.6			
Eriachne benthamii	0.1	0.3	0.1	0.3	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus gamophylla	0.1	2	0.1	2	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	3	0.1	3	
Eucalyptus xerothermica	0.1	4	0.1	4	JIN271.05
Euphorbia tannensis subsp. *eremophila*			0.1	0.3	JIN271.15w
Euphorbia trigonosperma			0.1	0.1	
Evolvulus alsinoides var. *villosicalyx*			0.1	0.1	
Goodenia ? muelleriana			0.1	0.1	JIN271.16w
Goodenia stobbsiana	0.1	0.3	0.1	0.5	
Hibiscus coatesii	0.1	1.5			JIN271.01
Lysiana casuarinae	0.1	0.1	0.1	0.1	JIN271.02
Maireana georgei	0.1	0.4	0.1	0.4	JIN271.07

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Maireana villosa			0.1	0.4	JIN271.12w
Paraneurachne muelleri	0.1	0.2	0.1	0.3	
Polygala glaucifolia			0.1	0.1	JIN271.09w
Ptilotus astrolasius	0.1	0.4	0.1	0.3	
Ptilotus exaltatus			0.1	0.1	
Ptilotus helipteroides			0.1	0.1	JIN271.13w
Ptilotus obovatus var. *obovatus*	0.1	0.6	0.1	0.6	
Rhagodia eremaea			0.1	0.6	
Sclerolaena cuneata	0.1	0.2	0.1	0.3	JIN271.08
Senna artemisioides subsp. *helmsii*	0.1	0.5	0.1	0.8	
Senna artemisioides subsp. *oligophylla*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. x *luerssenii*	0.1	1.8	0.1	1.8	
Senna notabilis			0.1	0.1	
Sida arsiniata	0.1	0.5	0.1	0.5	JIN271.10w
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.4			
Solanum horridum	0.1	0.1	0.1	0.3	JIN271.03
Solanum lasiophyllum	0.1	0.5	0.1	0.5	JIN271.11w
Solanum sp. Indet			0.1	0.1	JIN271.14w
Themeda triandra	0.1	0.3	0.1	0.4	
Triodia longiceps	2	0.6	2	0.8	
Triodia wiseana	20	0.4	20	0.6	


Phase 1


Phase 2

Jinidi F&V **Site JIN-272**

Date 3/11/2023 & 12/03/2024

Described by Emma Marsh, Grace Taylor & Vanessa Yeomans, Ryan Woodhouse

Type Quadrat 50m x 50m

Location MGA Zone 50

722997 mE; 7450807 mN

119.1761 E -23.036271 S

Veg Condition Very Good

Soil Sandy Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia wiseana* mid hummock grassland with *Acacia synchronicia, Acacia bivenosa* mid sparse shrubland over *Eremophila cuneifolia* low isolated shrubs with *Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Abutilon sp. Indet			0.1	0.2	JIN272.03w
Acacia bivenosa	2.5	1.6	2.5	1.8	
Acacia citrinoviridis	0.1	1.3	0.1	1.5	JIN272.07w
Acacia sibirica	0.1	1.1	0.1	1.1	JIN149.01
Acacia synchronicia	7	1.7	7	2.3	
Aristida contorta	0.1	0.2	0.1	0.2	
Boerhavia coccinea			0.1	0.2	JIN272.04w
Corymbia hamersleyana	0.5	3.2	0.5	3.5	
Duperreya commixta			0.1	0.1	
Enneapogon caerulescens			0.1	0.1	
Eremophila cuneifolia	1.5	0.8	1.5	0.8	
Eriachne pulchella subsp. *pulchella*			0.1	0.1	
Eucalyptus xerothermica	0.1	1.1	0.1	1.1	
Euploca heterantha			0.1	0.1	JIN272.01w
Goodenia triodiophila			0.1	0.4	
Hakea chordophylla	0.1	0.6	0.1	0.6	
Hakea lorea subsp. *lorea*	0.1	0.3	0.1	0.5	
Hibiscus burtonii			0.1	0.1	
Maireana planifolia			0.1	0.4	JIN272.05w
Petalostylis labicheoides	0.1	3	0.1	2.5	
Psydrax suaveolens			0.1	0.1	JIN272.08w
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	
Salsola australis	0.1	0.6			
Scaevola acacioides	0.1	1.5	0.1	1.5	JIN167.01
Scaevola spinescens	0.1	0.6	0.1	0.6	JIN272.06w
Senna artemisioides subsp. *oligophylla*			0.1	0.4	
Senna glutinosa subsp. x *luerssenii*	0.1	1.4	0.1	1.6	
Solanum phlomoides	0.1	0.2			
Sporobolus australasicus			0.1	0.1	JIN256.10w
Stylobasium spathulatum	0.1	1	0.1	0.6	
Themeda triandra	0.1	0.3	0.1	0.5	
Tribulus hirsutus			0.1	0.2	JIN272.02w
Triodia longiceps	0.1	0.6	0.1	0.6	
Triodia wiseana	38	0.7	38	0.7	JIN272.03w



Phase 1



Phase 2

Jinidi F&V **Site JIN-273**

Date 2/11/2023 & 11/03/2024

Described by Emma Marsh, Grace Taylor & Emily Eakin-Busher, Kay Greenacre

Type Quadrat 50m x 50m

Location MGA Zone
726928 mE; 7450279 mN
119.2146099 E -23.040511 S

Veg Condition Excellent

Soil Clay Loam

Rock Type CID

Fire Age Old (6+ yr)

Habitat Undulating Low Hills

Vegetation *Triodia vanleeuwenii* low hummock grassland with *Acacia arida, Acacia bivenosa* mid to tall open shrubland with *Hakea chordophylla* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*			0.1	0.2	
Acacia arida	10	1.4	8	1.6	
Acacia bivenosa	5	1.5	5	2.3	
Acacia maitlandii	0.1	1.5			
Codonocarpus cotinifolius	0.1	1.1	0.1	1.1	
Goodenia triodiophila	0.1	0.1			
Hakea chordophylla	0.1	3	0.1	3.2	
Indigofera monophylla			0.1	0.2	
Petalostylis labicheoides	0.1	2.5	0.1	2.7	
Ptilotus calostachyus	0.1	0.3	0.1	0.3	
Senna glutinosa subsp. *glutinosa*	0.1	1.5	0.1	1.5	
Senna glutinosa subsp. x *luerssenii*	0.1	1	0.1	1	
Solanum sp. Indet			0.1	0.2	JIN273.s01
Triodia pungens	0.2	0.3	0.2	0.3	
Triodia vanleeuwenii	45	0.2	45	0.2	
Triodia wiseana	0.1	0.4	0.1	0.4	


Phase 1

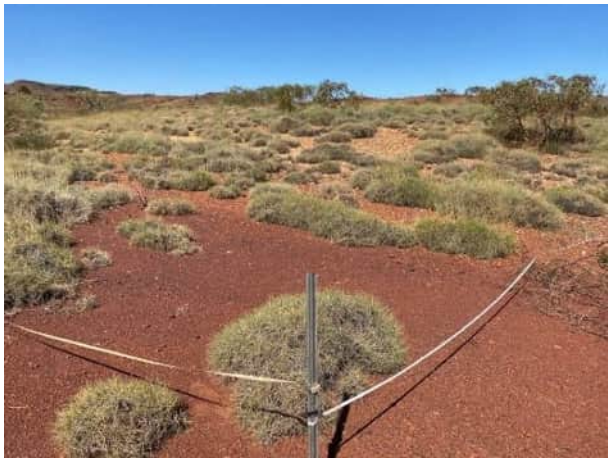

Phase 2

Jinidi F&V **Site JIN-275**

Date	1/11/2023 & 23/03/2024
Described by	Sam Coultas & Ryan Woodhouse, Che Parker
Type	Quadrat 50m x 50m
Location	MGA Zone 50 727764 mE; 7450713 mN 119.2227 E -23.036479 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	Detritals (calcrete, ironstone)
Fire Age	Old (6+ yr)
Habitat	Footslope
Vegetation	*Triodia angusta, Triodia wiseana* low hummock grassland with *Eucalyptus socialis* subsp. *eucentrica* low open mallee woodland with *Acacia synchronicia* tall isolated shrubs.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia synchronicia	1	3.2	1	3.2	
Aristida contorta			0.1	0.1	
Eucalyptus pilbarensis	4	2	5	2.5	SCop03
Eucalyptus socialis subsp. *eucentrica*	4	2	5	2.5	JIN275.04w
Maireana tomentosa	0.1	0.1	0.1	0.1	JIN275.01
Ptilotus exaltatus	0.1	0.3	0.1	0.1	
Senna glutinosa subsp. x *luerssenii*	0.1	0.8	0.1	1.8	
Tribulus hirsutus			0.1	0.1	JIN275.03w
Triodia angusta	35	0.5	40	0.7	
Triodia wiseana	5	0.4	6	0.5	


Phase 1


Phase 2

Jinidi F&V **Site JIN-280**

Date 2/11/2023 & 11/03/2024

Described by Sam Coultas & Rylan Cunnane

Type Quadrat 100m x 25m

Location MGA Zone 50

722163 mE; 7449538 mN

119.1682 E -23.047843 S

Veg Condition Excellent

Soil Silty Clay Loam

Rock Type Detritals

Fire Age Old (6+ yr)

Habitat Minor Drainage Line

Vegetation *Triodia angusta, Triodia longiceps, Triodia wiseana* low hummock grassland with *Acacia citrinoviridis, Corymbia hamersleyana* low open woodland over *Acacia arida, Acacia bivenosa* mid sparse shrubland over *Eriachne mucronata, Themeda triandra* low sparse tussock grassland.

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Acacia arida	5	1.1	5	1.1	
Acacia bivenosa	3	1	3	1	
Acacia citrinoviridis	3	6	3	6	
Acacia coriacea subsp. *pendens*	0.1	3.5	0.1	3.5	
Acacia pyrifolia var. *pyrifolia*	0.1	1.1	0.1	1.1	
Adriana tomentosa	0.1	2.2	0.1	2.2	
Androcalva luteiflora	0.1	0.7	0.1	0.7	
Arivela viscosa			0.1	0.1	
Carissa lanceolata	0.1	0.8	0.1	0.8	
Clerodendrum floribundum var. *angustifolium*	0.1	2.6	0.1	2.6	
Corchorus crozophorifolius	0.1	0.4	0.1	0.4	
Corymbia hamersleyana	3	4	3	4	
Cullen lachnostachys	0.1	0.3	0.1	0.3	
Cymbopogon ambiguus	0.1	0.6	0.1	0.6	
Dodonaea lanceolata var. *lanceolata*	0.1	1.6	0.1	1.6	
Duperreya commixta	0.1	0.1	0.1	0.1	
Enneapogon lindleyanus	0.1	0.4	0.1	0.4	
Eremophila fraseri subsp. *fraseri*	0.1	0.5	0.1	0.5	
Eriachne mucronata	4	0.3	4	0.3	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4	0.5	4	
Euphorbia sp. indet (bi/tri)			0.1	0.1	
Euploca ?ovalifolia	0.1	0.2			
Gossypium robinsonii	0.1	1.4	0.1	1.4	
Hakea chordophylla	0.1	0.3	0.1	0.3	
Hakea lorea subsp. *lorea*	0.1	3	0.1	3	
Jasminum didymum subsp. *lineare*	0.1	0.1	0.1	0.1	
Nellica maderaspatensis			0.1	0.1	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)			0.1	0.1	
Paraneurachne muelleri			0.1	0.1	
Petalostylis labicheoides	0.1	2.8	0.1	2.8	
Ptilotus exaltatus			0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	0.1	0.4	

Site Taxa	Phase 1		Phase 2		Specimen
	Cover (%)	Height (m)	Cover (%)	Height (m)	
Rhynchosia minima	0.1	0.1	0.1	0.1	
Santalum lanceolatum	0.1	1	0.1	1	
Stylobasium spathulatum	0.1	2	0.1	2	
Tephrosia ?virens	0.1	0.4	0.1	0.4	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.5	0.1	0.5	
Themeda triandra	2	0.4	2	0.4	
Tribulus hirsutus			0.1	0.1	
Triodia angusta	1	0.5	1	0.5	
Triodia longiceps	30	0.7	30	0.7	
Triodia wiseana	10	0.4	1	0.4	


Phase 1


Phase 2

Jinidi F&V **Site JIN-281**



Date	27/03/2024
Described by	Emily Eakin-Busher, Rylan Cunnane
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	723417 mE; 7447531 mN
	119.1807 E -23.065786 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillslope
Vegetation	*Triodia vanleeuwenii, Triodia pungens, Triodia wiseana* low open hummock grassland with *Acacia hilliana* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia, Corymbia hamersleyana* low isolated trees.

Site Taxa	Phase 2		Specimen
	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.2	
Acacia bivenosa	0.1	0.2	
Acacia hilliana	3	0.25	
Acacia monticola	0.1	0.3	
Acacia pruinocarpa	0.1	0.5	
Acacia tenuissima	0.1	1.1	
Aristida holathera var. *holathera*	0.1	0.2	
Calytrix carinata	0.1	0.5	
Corchorus lasiocarpus subsp. *parvus*	0.1	0.5	
Corymbia hamersleyana	0.1	3	
Dodonaea coriacea	0.1	0.5	
Dodonaea lanceolata var. *lanceolata*	0.1	1.6	
Dodonaea viscosa subsp. *mucronata*	0.1	0.4	
Duperreya commixta	0.1	0.1	
Eriachne lanata	0.1	0.2	
Eriachne mucronata	0.1	0.2	
Eriachne pulchella	0.1	0.1	
Eucalyptus leucophloia subsp. *leucophloia*	0.5	4	
Gompholobium oreophilum	0.1	0.25	
Goodenia triodiophila	0.1	0.2	
Indigofera monophylla	0.1	0.3	
Ptilotus astrolasius	0.1	0.3	
Scaevola browniana subsp. *browniana*	0.1	0.3	
Schizachyrium fragile	0.1	0.1	
Senna artemisioides subsp. *oligophylla*	0.1	0.1	
Senna glutinosa subsp. *pruinosa*	0.1	0.4	
Solanum centrale	0.1	0.2	
Triodia pungens	2	0.2	
Triodia vanleeuwenii	16	0.2	
Triodia wiseana	0.1	0.2	

Jinidi F&V **Site JIN-282**



Date	24/03/2024
Described by	Vanessa Yeomans, Eva Karikis
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	724342 mE; 7446654 mN
	119.1899 E -23.073579 S
Veg Condition	Excellent
Soil	Sandy Loam
Rock Type	Conglomerate
Fire Age	Old (6+ yr)
Habitat	Undulating Low Hills
Vegetation	*Triodia wiseana, Triodia vanleeuwenii, Triodia pungens* low hummock grassland with *Eucalyptus pilbarensis, Eucalyptus repullulans* low open mallee woodland over *Acacia arida* mid sparse shrubland with *Maireana ?georgei* low sparse chenopod shrubland.

Site Taxa	Phase 2		Specimen
	Cover (%)	Height (m)	
Acacia arida	1	1.2	
Acacia bivenosa	0.2	1	
Acacia synchronicia	1	1.5	
Anthobolus leptomerioides	0.5	1.2	JIN282.01W
Capparis lasiantha	0.1	0.5	
Duperreya commixta	0.1	0.1	
Eriachne mucronata	0.1	0.3	JIN282.03W
Eriachne pulchella subsp. *pulchella*	0.1	0.1	JIN282.05W
Eucalyptus pilbarensis	15	3.5	JIN282.08W
Eucalyptus repullulans	2	3	JIN282.07W
Maireana ?georgei	0.5	0.2	JIN282.06W
Melaleuca eleuterostachya	0.1	1.2	JIN282.02W
Paspalidium clementii	0.1	0.1	JIN282.04
Scaevola acacioides	0.1	0.3	
Triodia pungens	10	0.6	
Triodia vanleeuwenii	10	0.4	
Triodia wiseana	25	0.4	

Jinidi F&V **Site JIN-283**



Date	24/03/2024
Described by	Ryan Woodhouse, Eva Karikis
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	726342 mE; 7446261 mN
	119.2094 E -23.076856 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Minor Drainage Line
Vegetation	*Acacia monticola, Grevillea wickhamii* tall open shrubland over *Triodia pungens* low open hummock grassland with *Corymbia hamersleyana, Eucalyptus xerothermica* low open woodland over *Androcalva luteiflora, Dodonaea lanceolata* var. *lanceolata* mid sparse shrubland over *Themeda triandra* low sparse tussock grassland.

Site Taxa	Phase 2		Specimen
	Cover (%)	Height (m)	
Abutilon cunninghamii	0.1	0.2	JIN283.02w
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	0.1	0.8	
Acacia adsurgens	0.1	0.7	
Acacia ancistrocarpa	0.1	1.6	
Acacia arida	0.7	0.1	
Acacia bivenosa	0.1	2.2	
Acacia elachantha	0.1	2.7	
Acacia monticola	12	2.5	
Acacia pruinocarpa	0.1	1	
Acacia pyrifolia var. *pyrifolia*	0.1	2.2	
Acacia tenuissima	0.1	0.6	
Acacia tetragonophylla	0.1	0.4	
Androcalva luteiflora	4	1.5	
Aristida contorta	0.1	0.1	
Arivela viscosa	0.1	0.1	
**Bidens bipinnata*	0.1	0.1	
Boerhavia coccinea	0.1	0.3	
Corchorus tridens	0.1	0.1	
Corymbia hamersleyana	6	8	
Crotalaria medicaginea var. *neglecta*	0.1	0.3	
Cucumis variabilis	0.1	0.1	
Cymbopogon ambiguus	0.1	0.3	
Dodonaea lanceolata var. *lanceolata*	1	1.2	
Dodonaea viscosa subsp. *mucronata*	0.1	1.1	
Duperreya commixta	0.1	0.1	
Enneapogon lindleyanus	0.1	0.3	
Enneapogon polyphyllus	0.1	0.1	
Eragrostis cumingii	0.1	0.1	
Eriachne mucronata	1	0.4	
Eucalyptus xerothermica	0.5	4	
Euphorbia biconvexa	0.1	0.2	
Euphorbia tannensis subsp. *eremophila*	0.1	0.3	

Site Taxa	Phase 2		Specimen
	Cover (%)	Height (m)	
Euphorbia trigonosperma	0.1	0.2	
Evolvulus alsinoides var. *villosicalyx*	0.1	0.2	
Goodenia nuda	0.1	0.2	
Gossypium robinsonii	1	2.2	
Grevillea wickhamii	2	2	
Indigofera gilesii (P3)	0.1	1.4	JIN283.01w
Indigofera monophylla	0.1	0.2	
Jasminum didymum subsp. *lineare*	0.1	0.2	
Melhania oblongifolia	0.1	0.3	
Nellica maderaspatensis	0.1	0.2	
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)	0.1	0.1	
Paraneurachne muelleri	0.1	0.3	
Paspalidium clementii	0.1	0.1	JIN283.04w
Perotis rara	0.1	0.1	
Ptilotus astrolasius	0.1	0.2	
Ptilotus exaltatus	0.1	0.1	
Ptilotus fusiformis	0.1	0.3	JIN283.05w
Rhynchosia minima	0.1	0.1	
Santalum lanceolatum	0.1	2.4	
Scaevola spinescens	0.1	0.7	
Senna glutinosa subsp. *glutinosa*	0.1	0.3	
Setaria surgens	0.1	0.2	JIN215.06W
Sida sp. L (A.M. Ashby 4202)	0.1	0.1	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.4	
**Sigesbeckia orientalis*	0.1	0.5	
Stemodia grossa	0.1	0.2	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.4	
Tephrosia virens	0.1	0.3	
Themeda triandra	4	0.6	
Trachymene oleracea subsp. *oleracea*	0.1	0.1	
Trichodesma zeylanicum var. *zeylanicum*	0.1	0.2	
Triodia pungens	12	0.5	
Triodia wiseana	0.1	0.3	JIN283.02w

Jinidi F&V **Site JIN-286**



Date	28/03/2024
Described by	Sam Coultas
Type	Quadrat 100m x 25m
Location	MGA Zone 50
	727179 mE; 7463604 mN
	119.2150 E -22.920197 S
Veg Condition	Very Good
Soil	Sandy Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Minor Drainage Line
Vegetation	*Acacia tumida* var. *pilbarensis*, *Acacia monticola*, *Acacia pyrifolia* var. *pyrifolia* tall shrubland over *Triodia pungens*, *Triodia wiseana* low open hummock grassland with *Eriachne mucronata*, *Themeda triandra* low sparse tussock grassland with *Corymbia hamersleyana*, *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Specimen
Abutilon cunninghamii	
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	
Acacia bivenosa	
Acacia maitlandii	
Acacia monticola	
Acacia pyrifolia var. *pyrifolia*	
Acacia spondylophylla	
Acacia tumida var. *pilbarensis*	
Afrohybanthus aurantiacus	
Alternanthera nana	
Amaranthus undulatus	
Androcalva luteiflora	
Aristida contorta	
Arivela viscosa	
Boerhavia coccinea	
**Cenchrus ciliaris*	
Corchorus lasiocarpus subsp. *parvus*	
Corchorus tridens	
Crotalaria novae-hollandiae subsp. *novae-hollandiae*	
Cucumis variabilis	
Cymbopogon ambiguus	
Dolichocarpa crouchiana	
Duperreya commixta	
Enneapogon lindleyanus	
Eriachne benthamii	
Eriachne mucronata	
Eucalyptus leucophloia subsp. *leucophloia*	
Euphorbia trigonosperma	
Evolvulus alsinoides var. *villosicalyx*	
Gossypium australe	
Gossypium robinsonii	
Indigofera monophylla	
Melhania oblongifolia	

Site Taxa	Specimen
Nellica maderaspatensis	
Paraneurachne muelleri	
Paspalidium clementii	JIN283.04w
Petalostylis labicheoides	
Ptilotus astrolasius	
Ptilotus exaltatus	
Ptilotus obovatus var. *obovatus*	
Rhynchosia minima	
Senna artemisioides subsp. *oligophylla*	
Senna glutinosa subsp. *glutinosa*	
Senna glutinosa subsp. x *luerssenii*	
Senna notabilis	
Sida sp. L (A.M. Ashby 4202)	
Solanum lasiophyllum	
Solanum phlomoides	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	
Themeda triandra	
Trichodesma zeylanicum var. *zeylanicum*	
Triodia pungens	
Triodia wiseana	
Waltheria indica	

Jinidi F&V **Site JIN-290**



Date	27/03/2024
Described by	Sam Coultas, Sammy Alatas
Type	Quadrat 50m x 50m
Location	MGA Zone 50
	726944 mE; 7465001 mN
	119.2126 E -22.907615 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Drainage Area/ Floodplain
Vegetation	*Triodia angusta, Triodia wiseana* tall hummock grassland with *Acacia bivenosa, Acacia synchronicia* tall open shrubland.

Site Taxa	Phase 2		Specimen
	Cover (%)	Height (m)	
Abutilon lepidum	0.1	0.4	JIN190.02w
Acacia bivenosa	14	3	
Acacia pruinocarpa	0.1	2.5	
Acacia synchronicia	8	4	
Aristida contorta	0.1	0.1	
**Cenchrus ciliaris*	0.1	0.4	
Corchorus tridens	0.1	0.2	
Corymbia hamersleyana	0.1	0.8	
Cymbopogon ambiguus	0.1	0.3	
Cynodon prostratus	0.1	0.1	
Duperreya commixta	0.1	0.1	
Enneapogon caerulescens	0.1	0.1	
Enneapogon lindleyanus	0.1	0.4	
Eriachne mucronata	0.1	0.4	
Euphorbia australis var. *subtomentosa*	0.1	0.1	
Euphorbia tannensis subsp. *eremophila*	0.1	0.3	
Gossypium australe	0.1	0.5	
Hakea chordophylla	0.1	1.5	
Hibiscus sturtii var. *campylochlamys*	0.1	0.2	
**Malvastrum americanum*	0.1	0.1	
Paraneurachne muelleri	0.1	0.4	
Paspalidium clementii	0.1	0.2	JIN269.01W
Ptilotus exaltatus	0.1	0.1	
Ptilotus obovatus var. *obovatus*	0.1	0.4	
Rhynchosia minima	0.1	0.1	
Salsola australis	0.1	0.2	
Sclerolaena cornishiana	0.1	0.4	JIN190.03w
Senna artemisioides subsp. *oligophylla*	0.1	1.1	
Senna glutinosa subsp. *glutinosa*	0.1	2	
Senna glutinosa subsp. *glutinosa* x *luerssenii*	0.1	1.6	
Senna notabilis	0.1	0.1	
Sida fibulifera	0.1	0.4	
Solanum lasiophyllum	0.1	0.6	
Sporobolus australasicus	0.1	0.1	

Site Taxa	Phase 2		Specimen
	Cover (%)	Height (m)	
Tribulus hirsutus	0.1	0.1	
**Tribulus terrestris*	0.1	0.1	JIN190.01w
Triodia angusta	15	1.2	
Triodia wiseana	20	0.5	JIN190.02w

Jinidi F&V **Site JIN-300**



Date	27/03/2024	
Described by	Sam Coultas	
Type	Relevé	
Location	MGA Zone 50	
	727953 mE;	7448462 mN
	119.2248 E	-23.056770 S
Veg Condition	Very Good	
Soil	Silty Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Gully	
Vegetation	*Acacia catenulata* subsp. *occidentalis*, *Acacia pruinocarpa*, *Grevillea saxicola* (P3), *Corymbia ferriticola* low woodland over *Triodia brizoides, Triodia pungens* low sparse hummock grassland over *Eriachne mucronata* low sparse tussock grassland.	

Site Taxa	Specimen
Acacia catenulata subsp. *occidentalis*	
Acacia hamersleyensis	
Acacia pruinocarpa	
Arivela viscosa	
**Bidens bipinnata*	
Cheilanthes sieberi subsp. *sieberi*	JIN133.08w
Clerodendrum floribundum var. *angustifolium*	
Corymbia ferriticola	
Dodonaea petiolaris	
Eremophila naaykensii (P3)	
Eriachne mucronata	
Grevillea berryana	
Grevillea saxicola (P3)	
Maireana triptera	
Oxalis sp. Pilbara (M.E. Trudgen 12725) (P2)	
Paspalidium clementii	JIN127.07w
Ptilotus obovatus var. *obovatus*	
Triodia brizoides	
Triodia pungens	

Biologic
ENVIRONMENTAL SURVEY

Relevés

Jinidi F&V **Site JINR-014**



Date	16/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Relevé
Location	MGA Zone 50
	724062 mE; 7449119 mN
	119.1868 E -23.051370 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	BIF
Fire Age	Moderate (3 to 5 yr)
Habitat	Hillslope
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees.

Site Taxa	Specimen
Acacia bivenosa	
Acacia pruinocarpa	
Eriachne mucronata	
Eucalyptus leucophloia subsp. *leucophloia*	
Maireana triptera	
Ptilotus obovatus var. *obovatus*	
Scaevola acacioides	
Senna glutinosa subsp. *glutinosa*	
Triodia pungens	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-017**



Date	18/09/2023
Described by	Ryan Woodhouse, Kelby Jennings
Type	Relevé
Location	MGA Zone 50
	727538 mE; 7462540 mN
	119.2187 E -22.929744 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	Detritals
Fire Age	Old (6+ yr)
Habitat	Medium Drainage Line
Vegetation	*Themeda triandra* mid tussock grassland with *Acacia tumida* var *pilbarensis, Androcalva luteiflora, Gossypium robinsonii* tall open shrubland with *Corymbia hamersleyana, Eucalyptus gamophylla* low.

Site Taxa	Phase 1		Specimen
	Cover (%)	Height (m)	
Acacia pyrifolia var. *pyrifolia*	1	3.5	
Acacia tumida var. *pilbarensis*	15	3.5	
Androcalva luteiflora	2	3	
Aristida holathera var. *holathera*	0.1	0.4	
Atalaya hemiglauca	0.1	3	
Corymbia hamersleyana	0.5	8	
Eucalyptus gamophylla	0.5	3.5	
Gossypium robinsonii	0.1	2.2	
Grevillea wickhamii	0.1	4	
Jasminum didymum subsp. *lineare*	0.1	1	
Paraneurachne muelleri	0.5	0.5	
Senna artemisioides subsp. *helmsii*	0.1	1	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.4	
Stylobasium spathulatum	0.1	2	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0.6	
Themeda triandra	60	0.6	
Triodia wiseana	0.1	0.4	

Jinidi F&V **Site JINR-024**



Date	14/09/2023	
Described by	Sam Coultas, Sammy Alatas	
Type	Relevé	
Location	MGA Zone 50	
	727420 mE;	7464745 mN
	119.2172 E	-22.909859 S
Veg Condition	Excellent	
Soil	Silty Clay Loam	
Rock Type	CID	
Fire Age	Old (6+ yr)	
Habitat	Cliff	
Vegetation	*Acacia aptaneura* low woodland over *Ptilotus obovatus* var. *obovatus* low sparse shrubland over *Eriachne mucronata, Enneapogon polyphyllus, Enneapogon caerulescens* low sparse tussock grassland.	

Site Taxa	Specimen
Hibiscus burtonii	
Lobelia heterophylla subsp. *pilbarensis*	
Rhodanthe margarethae	
Sida sp. L (A.M. Ashby 4202)	
Solanum cleistogamum	
Tribulus suberosus	

Jinidi F&V **Site JINR-033**



Date	13/09/2023
Described by	Carmel Winton, April Slater
Type	Relevé
Location	MGA Zone 50
	729941 mE; 7465295 mN
	119.2417 E -22.904548 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	Dolerite
Fire Age	Moderate (3 to 5 yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia wiseana* low hummock grassland with *Dampiera candicans, Ptilotus calostachyus, Corchorus lasiocarpus* low sparse shrubland with *Acacia inaequilatera, Grevillea wickhamii* mid isolated clumps of shrubs.

Site Taxa	Specimen
Acacia inaequilatera	
Acacia pruinocarpa	
Capparis spinosa subsp. *nummularia*	
Corchorus lasiocarpus	
Cullen leucochaites	
Dampiera candicans	
Eriachne mucronata	
Grevillea wickhamii	
Hakea chordophylla	
Ptilotus astrolasius	
Ptilotus calostachyus	
Senna artemisioides subsp. *oligophylla*	
Triodia wiseana	

Jinidi F&V **Site JINR-060**



Date	13/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Relevé
Location	MGA Zone 50
	733760 mE; 7460879 mN
	119.2796 E -22.943886 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Undulating Low Hills
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Acacia hilliana, Acacia arida* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia, Corymbia hamersleyana* low sparse woodland.

Site Taxa	Specimen
Acacia arida	
Acacia hilliana	
Calytrix carinata	
Corymbia hamersleyana	
Eucalyptus leucophloia subsp. *leucophloia*	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-070**



Date	15/09/2023
Described by	Ryan Woodhouse, K. Jennings
Type	Relevé
Location	MGA Zone 50
	735697 mE; 7463780 mN
	119.2980 E -22.917422 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia vanleeuwenii* low sparse hummock grassland with *Acacia hilliana* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Hakea chordophylla, Acacia inaequilatera* tall isolated shrubs.

Site Taxa	Phase 1		Specimen
	Cover (%)	Height (m)	
Acacia adoxa var. *adoxa*	0.1	0.4	
Acacia hilliana	1	0.3	
Acacia inaequilatera	0.1	6	
Acacia spondylophylla	0.1	0.4	
Bulbostylis barbata	0.1	0.1	
Calytrix carinata	0.1	0.3	
Corymbia deserticola subsp. *deserticola*	0.1	3.5	
Eucalyptus leucophloia subsp. *leucophloia*	0.1	6	
Gompholobium oreophilum	0.1	0.4	
Goodenia triodiophila	0.1	0.2	
Grevillea wickhamii	0.1	1	
Hakea chordophylla	0.1	4	
Hakea lorea subsp. *lorea*	0.1	2	
Ptilotus calostachyus	0.1	0.3	
Ptilotus exaltatus	0.1	0.2	
Senna glutinosa subsp. *glutinosa*	0.1	0.5	
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	0.2	0.4	
Triodia vanleeuwenii	20	0.3	

Jinidi F&V **Site JINR-072**



Date	19/09/2023	
Described by	Sam Coultas, Sammy Alatas	
Type	Relevé	
Location	MGA Zone 50	
	736463 mE;	7461090 mN
	119.3059 E	-22.941600 S
Veg Condition	Excellent	
Soil	Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Minor Drainage Line	
Vegetation	*Acacia catenulata* subsp. *occidentalis, Acacia aptaneura, Grevillea berryana* low woodland over *Eremophila platycalyx, Senna artemisioides* subsp. x *artemisioides* tall isolated shrubs over *Paspalidium clementii* low sparse tussock grassland with *Cheilanthes sieberi* subsp. *sieberi* low sparse fernland.	

Site Taxa	Specimen
Acacia aptaneura	
Acacia catenulata subsp. *occidentalis*	
Cheilanthes sieberi subsp. *sieberi*	
Eremophila platycalyx	
Grevillea berryana	
Paspalidium clementii	
Senna artemisioides subsp. x *artemisioides*	

Jinidi F&V **Site JINR-079**



Date	29/10/2023	
Described by	Sam Coultas	
Type	Relevé	
Location	MGA Zone 50	
	722337 mE;	7451212 mN
	119.1696 E	-23.032710 S
Veg Condition	Excellent	
Soil	Silty Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Gully	
Vegetation	*Acacia catenulata* subsp. *occidentalis*, *Acacia incurvaneura*, *Acacia aptaneura*, *Acacia pruinocarpa*, *Grevillea saxicola* (P3) low woodland over *Triodia vanleeuwenii* low isolated clumps of hummock grasses.	

Site Taxa	Specimen
Acacia aptaneura	
Acacia catenulata subsp. *occidentalis*	
Acacia incurvaneura	
Acacia pruinocarpa	
Grevillea saxicola (P3)	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-098**



Date	14/09/2023	
Described by	Emma Marsh, Emalyn Loudon	
Type	Relevé	
Location	MGA Zone 50	
	734114 mE;	7458400 mN
	119.2834 E	-22.966207 S
Veg Condition	Excellent	
Soil	Sandy Clay Loam	
Rock Type	CID	
Fire Age	Old (6+ yr)	
Habitat	Hardpan Plain	
Vegetation	*Acacia aptaneura, Acacia pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii, Anthobolus leptomerioides* mid open shrubland over *Triodia pungens* low sparse hummock grassland over *Aristida contorta* low isolated tussock grasses.	

Site Taxa	Specimen
Acacia aneura	JIN090.04
Acacia aptaneura	JIN087.01
Acacia catenulata subsp. *occidentalis*	JIN096.05
Acacia pruinocarpa	
Acacia sibirica	
Anthobolus leptomerioides	
Aristida contorta	
Cheilanthes sieberi subsp. *sieberi*	
Chrysopogon fallax	
Duperreya commixta	
Enneapogon caerulescens	
Enneapogon polyphyllus	
Eremophila forrestii subsp. *forrestii*	
Eriachne mucronata	
Eucalyptus leucophloia subsp. *leucophloia*	
Hibiscus burtonii	
Maireana planifolia x *villosa*	JIN090.02
Paraneurachne muelleri	
Psydrax suaveolens	
Senna artemisioides subsp. *helmsii*	
Senna artemisioides subsp. *oligophylla*	
Sida sp. L (A.M. Ashby 4202)	
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	
Solanum lasiophyllum	JIN088.01
Triodia pungens	JIN090.04

Jinidi F&V **Site JINR-115**



Date	30/10/2023
Described by	Emma Marsh, Grace Taylor
Type	Relevé
Location	MGA Zone 50
	733488 mE; 7451980 mN
	119.2783 E -23.024244 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia vanleeuwenii* low open hummock grassland with *Acacia hilliana, Acacia adoxa var. adoxa* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia deserticola* subsp. *deserticola* low isolated trees over *Hakea chordophylla* tall isolated shrubs.

Site Taxa	Specimen
Acacia adoxa var. *adoxa*	
Acacia bivenosa	
Acacia hilliana	
Acacia pruinocarpa	
Acacia tenuissima	JIN218.02
Amphipogon sericeus	
Corchorus lasiocarpus subsp. *parvus*	
Corymbia deserticola subsp. *deserticola*	
Eriachne mucronata	
Eucalyptus gamophylla	
Eucalyptus leucophloia subsp. *leucophloia*	
Fimbristylis dichotoma	
Goodenia triodiophila	
Hakea chordophylla	
Indigofera monophylla	
Paraneurachne muelleri	
Ptilotus calostachyus	
Senna artemisioides subsp. *oligophylla*	JIN146.01
Senna glutinosa subsp. *glutinosa*	
Senna glutinosa subsp. *pruinosa*	
Seringia exastia	
Sida arenicola	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	
Solanum phlomoides	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-118**



Date	30/10/2023	
Described by	Ryan Woodhouse, Eva Karikis	
Type	Relevé	
Location	MGA Zone 50	
	733234 mE;	7453038 mN
	119.2756 E	-23.014728 S
Veg Condition	Excellent	
Soil	Clay Loam	
Rock Type	CID	
Fire Age	Moderate (3 to 5 yr)	
Habitat	Hillcrest/ Upper Hillslope	
Vegetation	*Triodia vanleeuwenii* low open hummock grassland with *Acacia arida* low sparse shrubland with *Corymbia hamersleyana* low open woodland.	

Site Taxa	Specimen
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	
Acacia adoxa var. *adoxa*	
Acacia arida	
Aristida holathera var. *holathera*	
Bulbostylis barbata	
Corchorus lasiocarpus subsp. *parvus*	
Corymbia hamersleyana	
Cymbopogon ambiguus	
Eriachne mucronata	
Gompholobium oreophilum	
Goodenia microptera	
Ptilotus calostachyus	
Senna glutinosa subsp. *glutinosa*	
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	JIN112.02
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-126**



Date	29/10/2023
Described by	Ryan Woodhouse, Eva Karikis
Type	Relevé
Location	MGA Zone 50
	723569 mE; 7450717 mN
	119.1817 E -23.037014 S
Veg Condition	Excellent
Soil	Loamy Sand
Rock Type	None Discernible
Fire Age	Old (6+ yr)
Habitat	Calcrete Plain
Vegetation	Triodia wiseana, Triodia angusta low open hummock grassland with Melaleuca eleuterostachya low sparse shrubland.

Site Taxa	Specimen
Melaleuca eleuterostachya	JINR126.01
Triodia angusta	JINR126.02
Triodia wiseana	

Jinidi F&V **Site JINR-136**



Date	1/11/2023	
Described by	Sam Coultas	
Type	Relevé	
Location	MGA Zone 50	
	732176 mE;	7449221 mN
	119.2659 E	-23.049328 S
Veg Condition	Very Good	
Soil	Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Gully	
Vegetation	*Acacia catenulata* subsp. *occidentalis, Acacia pruinocarpa, Acacia aptaneura* low open woodland over *Triodia vanleeuwenii, Triodia pungens* low sparse hummock grassland.	

Site Taxa	Specimen
Acacia aptaneura	
Acacia catenulata subsp. *occidentalis*	
Acacia pruinocarpa	
Anthobolus leptomerioides	
Eremophila latrobei subsp. *glabra*	JIN127.03
Eremophila platycalyx subsp. *pardalota*	JIN040.01
Grevillea berryana	
Senna artemisioides subsp. x *artemisioides*	
Senna glaucifolia	
Senna glutinosa subsp. x *luerssenii*	
Triodia pungens	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-141**



Date	14/09/2023
Described by	Emma Marsh, Emalyn Loudon
Type	Relevé
Location	MGA Zone 50
	728634 mE; 7457697 mN
	119.2301 E -22.973313 S
Veg Condition	Excellent
Soil	Sandy Clay Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Undulating Low Hills
Vegetation	*Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Acacia inaequilatera, Hakea lorea* subsp. *lorea* tall isolated shrubs.

Site Taxa	Specimen
Acacia ancistrocarpa	
Acacia bivenosa	
Acacia inaequilatera	
Acacia pruinocarpa	
Amphipogon sericeus	
Enneapogon caerulescens	
Eucalyptus leucophloia subsp. *leucophloia*	
Hakea chordophylla	
Hakea lorea subsp. *lorea*	
Indigofera monophylla	
Ptilotus calostachyus	
Ptilotus rotundifolius	
Senna glutinosa subsp. *glutinosa*	
Senna glutinosa subsp. x *luerssenii*	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-142**



Date	17/09/2023
Described by	Emma Marsh, Emalyn Loudon
Type	Relevé
Location	MGA Zone 50
	728197 mE; 7457236 mN
	119.2259 E -22.977534 S
Veg Condition	Very Good
Soil	Silty Clay Loam
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Drainage Area/ Floodplain
Vegetation	*Acacia pruinocarpa, Acacia aneura, Acacia aptaneura, Acacia pyrifolia* var. *pyrifolia, Petalostylis labicheoides* tall shrubland over *Eulalia aurea, Themeda triandra* mid open tussock grassland with *Eucalyptus xerothermica, Corymbia hamersleyana* low isolated trees.

Site Taxa	Specimen
Acacia aneura	JIN090.04
Acacia aptaneura	JIN087.01
Acacia pruinocarpa	
Acacia pyrifolia var. *pyrifolia*	
Androcalva luteiflora	
Aristida contorta	
Aristida inaequiglumis	
Atalaya hemiglauca	
Capparis lasiantha	
**Cenchrus ciliaris*	
Chrysopogon fallax	
Corymbia hamersleyana	
Dipteracanthus australasicus subsp. *australasicus*	JINR142.01
Duperreya commixta	
Enneapogon polyphyllus	
Eremophila forrestii subsp. *forrestii*	
Eremophila longifolia	
Eucalyptus xerothermica	
Eulalia aurea	
Gossypium robinsonii	
Isotropis iophyta	JIN088.02
Jasminum didymum subsp. *lineare*	
Maireana planifolia x *villosa*	JIN090.02
**Malvastrum americanum*	
Paraneurachne muelleri	
Petalostylis labicheoides	
Pterocaulon sphacelatum	
Ptilotus obovatus var. *obovatus*	
Senna artemisioides subsp. *helmsii*	
Senna artemisioides subsp. *oligophylla*	
Themeda triandra	
Triodia pungens	JIN090.04

Jinidi F&V **Site JINR-143**



Date	10/03/2024
Described by	Ryan Woodhouse, Vanessa Yeomans
Type	Relevé
Location	MGA Zone 50
	728211 mE; 7455784 mN
	119.2263 E -22.990639 S
Veg Condition	Excellent
Soil	Clay Loam Sandy
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Minor Drainage Line
Vegetation	*Triodia vanleeuwenii, Triodia wiseana, Triodia pungens* low open hummock grassland with *Acacia monticola* low open shrubland with *Eucalyptus leucophloia* subsp. *leucophloia, Eucalyptus gamophylla, Corymbia deserticola* subsp. *deserticola, Corymbia hamersleyana* low isolated trees.

Site Taxa	Specimen
Acacia adoxa var. *adoxa*	
Acacia ancistrocarpa	
Acacia arida	
Acacia hilliana	
Acacia inaequilatera	
Acacia monticola	
Acacia synchronicia	
Amphipogon sericeus	
Aristida inaequiglumis	
Clerodendrum tomentosum var. *lanceolatum*	JINR143.01
Corymbia deserticola subsp. *deserticola*	
Corymbia hamersleyana	
Enneapogon lindleyanus	
Eriachne mucronata	
Eucalyptus gamophylla	
Eucalyptus leucophloia subsp. *leucophloia*	
Evolvulus alsinoides var. *villosicalyx*	
Fimbristylis dichotoma	
Gompholobium oreophilum	
Gossypium robinsonii	
Grevillea wickhamii	
Indigofera monophylla	
Paraneurachne muelleri	
Ptilotus calostachyus	
Senna glaucifolia	
Senna glutinosa subsp. *glutinosa*	
Senna notabilis	
Triodia pungens	
Triodia vanleeuwenii	
Triodia wiseana	

Jinidi F&V **Site JINR-147**



Date	28/10/2023
Described by	Emma Marsh, Grace Taylor
Type	Relevé
Location	MGA Zone 50
	727386 mE; 7454077 mN
	119.2185 E -23.006161 S
Veg Condition	Very Good
Soil	Silty Clay Loam
Rock Type	CID
Fire Age	Moderate (3 to 5 yr)
Habitat	Hillcrest/ Upper Hillslope
Vegetation	*Triodia vanleeuwenii* low open hummock grassland with *Acacia adoxa* var. *adoxa, Acacia hilliana*, *Gompholobium oreophilum* low sparse shrubland with *Eucalyptus leucophloia* subsp. *leucophloia, Corymbia hamersleyana* low isolated trees.

Site Taxa	Specimen
Acacia adoxa var. *adoxa*	
Acacia hilliana	
Amphipogon sericeus	
Calytrix carinata	JIN147R.01
Corymbia hamersleyana	
Eriachne mucronata	
Eucalyptus leucophloia subsp. *leucophloia*	
Gompholobium oreophilum	
Ptilotus calostachyus	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-150**



Date	31/10/2023
Described by	Ryan Woodhouse, Eva Karikis
Type	Relevé
Location	MGA Zone 50
	727261 mE; 7453215 mN
	119.2174215 E -23.013961 S
Veg Condition	Excellent
Soil	Loamy Sand
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Cliff
Vegetation	*Acacia pteraneura, Acacia aptaneura, Acacia distans* tall sparse shrubland over *Triodia pungens, Eriachne mucronata, Cymbopogon ambiguus* low sparse hummock and tussock grassland.

Site Taxa	Specimen
Acacia aptaneura	JIN177.2
Acacia distans	JIN177.7
Acacia pteraneura	JIN177.1
Cymbopogon ambiguus	
Dodonaea pachyneura	
Eriachne mucronata	
Grevillea saxicola (P3)	JIN177.10
Ptilotus obovatus var. *obovatus*	
Scaevola acacioides	JIN177.5
Triodia pungens	JIN177.2

Jinidi F&V **Site JINR-153**



Date	17/09/2023	
Described by	Sam Coultas, Sammy Alatas	
Type	Relevé	
Location	MGA Zone 50	
	727332 mE;	7452193 mN
	119.2182 E	-23.023179 S
Veg Condition	Excellent	
Soil	Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Cliff	
Vegetation	*Acacia catenulata* subsp. *occidentalis*, *Acacia ayersiana* low woodland with *Eucalyptus pilbarensis* low isolated mallee trees over *Ptilotus obovatus* var. *obovatus* low isolated shrubs.	

Site Taxa	Specimen
Acacia ayersiana	
Acacia catenulata subsp. *occidentalis*	
Acacia pruinocarpa	
Aristida contorta	
**Bidens bipinnata*	
Cymbopogon ambiguus	
Enchylaena tomentosa var. *tomentosa*	
Enneapogon polyphyllus	
Grevillea saxicola (P3)	
Hibiscus burtonii	
Hibiscus sp. Mt Robinson (G. Byrne 3537)	JIN153.01
Maireana villosa	
Ptilotus obovatus var. *obovatus*	
Scaevola acacioides	
Senna notabilis	

Jinidi F&V **Site JINR-159**



Date	28/10/2023	
Described by	Ryan Woodhouse, Eva Karikis	
Type	Relevé	
Location	MGA Zone 50	
	729723 mE;	7452306 mN
	119.2415 E	-23.021823 S
Veg Condition	Excellent	
Soil	Loamy Sand	
Rock Type	CID	
Fire Age	Moderate (3 to 5 yr)	
Habitat	Hillcrest/ Upper Hillslope	
Vegetation	*Triodia vanleeuwenii, Triodia wiseana* low open hummock grassland with *Corymbia deserticola* subsp. *deserticola* low open woodland over *Acacia arida* low sparse shrubland.	

Site Taxa	Phase 1		Specimen
	Cover (%)	Height (m)	
Acacia arida	2	0.5	
Acacia pruinocarpa	0.1	0.5	
Corymbia deserticola subsp. *deserticola*	2	5	JIN170.01
Corymbia hamersleyana	0.2	5	
Eremophila latrobei	0.1	1	
Hakea chordophylla	0.1	1	
Triodia vanleeuwenii	35	0.2	
Triodia wiseana	2	0.2	

Jinidi F&V **Site JINR-164**



Date	28/10/2023	
Described by	Sam Coultas	
Type	Relevé	
Location	MGA Zone 50	
	729572 mE;	7455151 mN
	119.2396 E	-22.996166 S
Veg Condition	Very Good	
Soil	Silty Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Footslope	
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Eucalyptus gamophylla*, *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland.	

Site Taxa	Specimen
Acacia ancistrocarpa	
Acacia pachyacra	
Acacia pruinocarpa	
Acacia sibirica	
Corymbia hamersleyana	
Eremophila latrobei subsp. *latrobei*	
Eucalyptus gamophylla	
Eucalyptus leucophloia subsp. *leucophloia*	
Senna artemisioides subsp. *helmsii*	
Senna glutinosa subsp. *glutinosa*	
Triodia pungens	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-171**



Date	30/10/2023	
Described by	Sam Coultas	
Type	Relevé	
Location	MGA Zone 50	
	732124 mE;	7453277 mN
	119.2648 E	-23.012727 S
Veg Condition	Excellent	
Soil	Silty Clay Loam	
Rock Type	BIF	
Fire Age	Moderate (3 to 5 yr)	
Habitat	Hillslope	
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Acacia arida* low open shrubland with *Eucalyptus leucophloia* subsp. *leucophloia*, *Hakea chordophylla* low isolated trees.	

Site Taxa	Specimen
Acacia arida	
Eucalyptus leucophloia subsp. *leucophloia*	
Hakea chordophylla	
Triodia vanleeuwenii	

Jinidi F&V **Site JINR-189**



Date	1/11/2023
Described by	Ryan Woodhouse, Eva Karikis
Type	Relevé
Location	MGA Zone 50
	729481 mE; 7449642 mN
	119.2396 E -23.045903 S
Veg Condition	Very Good
Soil	Sandy Clay Loam
Rock Type	Detritals
Fire Age	Moderate (3 to 5 yr)
Habitat	Drainage Area/ Floodplain
Vegetation	*Acacia pruinocarpa, Petalostylis labicheoides* tall open shrubland over *Triodia pungens* low sparse hummock grassland with *Corymbia candida* subsp. cand*ida, Corymbia hamersleyana* mid open woodland over *Enneapogon caerulescens* low isolated tussock grasses.

Site Taxa	Phase 1		Specimen
	Cover (%)	Height (m)	
Acacia aptaneura	0.1	4	
Acacia pruinocarpa	8	3	
Acacia pyrifolia var. *pyrifolia*	0.2	1.2	
Androcalva luteiflora	0.1	0	
Corymbia candida subsp. *candida*	1	15	JINR189.1
Corymbia hamersleyana	0.5	10	
Enneapogon caerulescens	1	0.5	
Evolvulus alsinoides var. *villosicalyx*	0.1	0	
Exocarpos sparteus	0.1	1.5	
Gossypium robinsonii	0.1	3	
Gossypium sturtianum var. *sturtianum*	0.1	0	
Petalostylis labicheoides	2	4	
Ptilotus calostachyus	0.1	0.4	
Ptilotus obovatus var. *obovatus*	0.1	0.5	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	0.1	0	
Triodia pungens	5	0.4	

Jinidi F&V **Site JINR-190**



Date	29/10/2023
Described by	Emma Marsh, Grace Taylor
Type	Relevé
Location	MGA Zone 50
	724663 mE; 7450804 mN
	119.1924 E -23.036076 S
Veg Condition	Good
Soil	Silty Loam
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Major Drainage Line
Vegetation	*Eucalyptus camaldulensis* subsp. *refulgens, Eucalyptus xerothermica, Eucalyptus victrix* mid open woodland over *Acacia citrinoviridis, Gossypium robinsonii, Androcalva luteiflora, Stylobasium spathulatum* tall open shrubland over *Themeda triandra* low open tussock grassland.

Site Taxa	Specimen
Acacia aptaneura	
Acacia arida	
Acacia bivenosa	
Acacia citrinoviridis	
Acacia pyrifolia var. *pyrifolia*	
Amyema sanguinea var. *sanguinea*	
Androcalva luteiflora	
Arivela viscosa	
Atalaya hemiglauca	
Capparis lasiantha	
**Cenchrus ciliaris*	
**Cenchrus setiger*	
Corchorus crozophorifolius	
Corchorus lasiocarpus subsp. *parvus*	
Cymbopogon ambiguus	
Duperreya commixta	
Eriachne benthamii	JIN218.01
Eriachne mucronata	
Eucalyptus camaldulensis subsp. *refulgens*	
Eucalyptus victrix	
Eucalyptus xerothermica	
Euploca tenuifolia	
Gossypium robinsonii	
Gossypium sturtianum var. *sturtianum*	
Jasminum didymum subsp. *lineare*	
Nellica maderaspatensis	
Paspalidium clementii	
Petalostylis labicheoides	
Ptilotus obovatus var. *obovatus*	
Senna artemisioides subsp. x *artemisioides*	
Stylobasium spathulatum	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	
Themeda triandra	
Triodia longiceps	
Triodia pungens	

Jinidi F&V **Site JINR-193**



Date	11/03/2024
Described by	Ryan Woodhouse, Vanessa Yeomans
Type	Relevé
Location	MGA Zone 50
	725052 mE; 7451514 mN
	119.1961 E -23.029612 S
Veg Condition	Excellent
Soil	Clayey Sand
Rock Type	Shale
Fire Age	Old (6+ yr)
Habitat	Calcrete Outcrops
Vegetation	*Triodia brizoides* low open hummock grassland.

Site Taxa	Phase 2		Specimen
	Cover (%)	Height (m)	
Boerhavia coccinea	0.1	0	JINR193.01
Cynanchum floribundum	0.1	0	JINR193.03
Dodonaea coriacea	0.1	0	
Eremophila latrobei subsp. *latrobei*	0.1	0	
Eriachne mucronata	0.5	0.4	JINR193.05
Eucalyptus kingsmillii	0.1	0	
Gomphrena cunninghamii	0.1	0	
Gossypium australe	0.1	0	JINRW001
Lepidium catapycnon (P4)	0.1	0.4	
Maireana planifolia	0.1	0	
Ptilotus obovatus var. *obovatus*	0.1	0	
Salsola australis	0.1	0.3	JINR193.06
Scaevola acacioides	0.1	0	
Senna glutinosa subsp. *glutinosa*	0.1	0	
Senna glutinosa subsp. *pruinosa*	0.1	0	
Senna stricta	0.1	0	JINR193.02
Solanum lasiophyllum	0.1	0	JINR193.04
Triodia brizoides	10	0.2	
Triodia vanleeuwenii	1	0.2	JINR193.01

Jinidi F&V **Site JINR-203**



Date	1/11/2023
Described by	Emma Marsh, Grace Taylor
Type	Relevé
Location	MGA Zone 50
	729502 mE; 7448505 mN
	119.2399 E -23.056169 S
Veg Condition	Excellent
Soil	Silty Clay Loam
Rock Type	Dolerite (dolerite and quartzite)
Fire Age	Old (6+ yr)
Habitat	Hillslope
Vegetation	*Triodia vanleeuwenii* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees to open woodland.

Site Taxa	Specimen
Acacia bivenosa	
Acacia sibirica	JIN149.01
Eucalyptus leucophloia subsp. *leucophloia*	
Goodenia stobbsiana	
Maireana georgei	JIN167.03
Ptilotus exaltatus	
Ptilotus obovatus var. *obovatus*	
Senna artemisioides subsp. *oligophylla*	
Senna artemisioides subsp. x *artemisioides*	
Senna glutinosa subsp. *glutinosa*	
Senna glutinosa subsp. *pruinosa*	
Senna glutinosa subsp. x *luerssenii*	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	
Triodia vanleeuwenii	
Triodia wiseana	

Jinidi F&V **Site JINR-220**



Date	29/10/2023
Described by	Ryan Woodhouse, Eva Karikis
Type	Relevé
Location	MGA Zone 50
	722528 mE; 7447272 mN
	119.1721 E -23.068246 S
Veg Condition	Excellent
Soil	Loamy Sand
Rock Type	CID
Fire Age	Old (6+ yr)
Habitat	Hillslope
Vegetation	*Acacia pteraneura, Acacia catenulata* subsp. *occidentalis, Grevillea saxicola* (P3) low woodland over *Eremophila naaykensii* (P3) mid sparse shrubland over *Triodia vanleeuwenii, Triodia pungens* low sparse hummock grassland with *Eriachne helmsii* low isolated tussock grasses.

Site Taxa	Phase 1		Specimen
	Cover (%)	Height (m)	
Acacia bivenosa	0.1	0	
Acacia catenulata subsp. *occidentalis*	5	0	JINR220.02
Acacia pruinocarpa	0.1	0	
Acacia pteraneura	30	0	JINR220.01
Androcalva luteiflora	0.1	0	
Cymbopogon ambiguus	0.1	0	
Dodonaea petiolaris	0.1	0	
Enneapogon caerulescens	0.1	0	
Eremophila naaykensii (P3)	5	0	
Eriachne helmsii	0.5	0	JINR220.03
Grevillea saxicola (P3)	5	5	
Ptilotus obovatus var. *obovatus*	0.1	0	
Senna glutinosa subsp. *glutinosa*	0.1	0	
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0	
Triodia pungens	0.1	0	
Triodia vanleeuwenii	2	0.3	

Jinidi F&V **Site JINR-252**



Date	16/09/2023	
Described by	Sam Coultas, Sammy Alatas	
Type	Relevé	
Location	MGA Zone 50	
	725575 mE;	7448422 mN
	119.2016 E	-23.057455 S
Veg Condition	Excellent	
Soil	Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Hillcrest/ Upper Hillslope	
Vegetation	*Triodia vanleeuwenii* low hummock grassland with *Eucalyptus gamophylla, Eucalyptus leucophloia* subsp. *leucophloia* low open.	

Site Taxa	Specimen
Calytrix carinata	
Eriachne lanata	
Eucalyptus kingsmillii	
Hakea chordophylla	
Mirbelia viminalis	
Triodia wiseana	

Jinidi F&V **Site JINR-254**



Date	19/09/2023
Described by	Sam Coultas, Sammy Alatas
Type	Relevé
Location	MGA Zone 50
	725841 mE; 7449098 mN
	119.2041 E -23.051317 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	BIF
Fire Age	Old (6+ yr)
Habitat	Gully
Vegetation	*Triodia pungens, Triodia wiseana* low open hummock grassland with *Eucalyptus leucophloia* subsp. *leucophloia* low isolated trees over *Acacia pruinocarpa, Acacia bromilowiana* (P4), *Dodonaea viscosa* subsp. *spatulata* tall sparse shrubland over *Eriachne mucronata, Cymbopogon ambiguus* low sparse tussock grassland.

Site Taxa	Specimen
Acacia bromilowiana (P4)	JIN245.01
Acacia pruinocarpa	
Corymbia ferriticola	
Cymbopogon ambiguus	
Dodonaea pachyneura	
Dodonaea viscosa subsp. *spatulata*	
Duperreya commixta	
Eremophila naaykensii (P3)	
Eriachne mucronata	
Eucalyptus leucophloia subsp. *leucophloia*	
Euphorbia australis	
Grevillea wickhamii	
Hibiscus sp. Mt Robinson (G. Byrne 3537)	
Indigofera gilesii (P3)	
Petalostylis labicheoides	
Ptilotus obovatus var. *obovatus*	
Themeda triandra	
Triodia pungens	
Triodia wiseana	

Jinidi F&V **Site JINR-255**



Date	23/03/2024
Described by	Ryan Woodhouse, Che Parker
Type	Relevé
Location	MGA Zone 50
	725751 mE; 7450136 mN
	119.2031 E -23.041959 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	CID (calcrete)
Fire Age	Old (6+ yr)
Habitat	Calcrete Plain
Vegetation	*Triodia brizoides, Triodia angusta* low hummock grassland with *Melaleuca eleuterostachya*, *Tricoryne* sp. Hamersley Range (S. van Leeuwen 915) low sparse shrubland with *Eucalyptus socialis* subsp. *eucentrica* low isolated clumps of mallee trees.

Site Taxa	Specimen
Eucalyptus socialis subsp. eucentrica	
Goodenia cusackiana	
Halgania cyanea var. Allambi Stn (B.W. Strong 676)	
Melaleuca eleuterostachya	
Petalostylis labicheoides	
Santalum lanceolatum	
Tricoryne sp. Hamersley Range (S. van Leeuwen 915)	JINR255.02
Triodia angusta	
Triodia brizoides	
Triodia pungens	

Jinidi F&V **Site JINR-257**



Date	28/10/2023	
Described by	Sam Coultas	
Type	Relevé	
Location	MGA Zone 50	
	729465 mE;	7456636 mN
	119.2384 E	-22.982780 S
Veg Condition	Excellent	
Soil	Silty Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Minor Drainage Line	
Vegetation	*Eriachne mucronata, Themeda triandra* low open tussock grassland with *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low open shrubland with *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides, Acacia pyrifolia* var. *pyrifolia* tall open shrubland with *Eucalyptus xerothermica, Corymbia hamersleyana* low open woodland.	

Site Taxa	Specimen
Acacia pyrifolia var. *pyrifolia*	
Acacia tumida var. *pilbarensis*	
Corymbia hamersleyana	
Eriachne mucronata	
Eucalyptus xerothermica	
Petalostylis labicheoides	
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	
Themeda triandra	

Jinidi F&V **Site JINR-278**

Date	2/11/2023	Photo not available
Described by	Sam Coultas	
Type	Relevé	
Location	MGA Zone 50	
	722266 mE;	7450542 mN
	119.1691 E	-23.038767 S
Veg Condition	Excellent	
Soil	Clay Loam	
Rock Type	BIF	
Fire Age	Old (6+ yr)	
Habitat	Hillslope	
Vegetation	*Triodia angusta, Triodia brizoides, Triodia wiseana* low hummock grassland with *Eucalyptus pilbarensis* low open mallee woodland.	

Site Taxa	Specimen
Eucalyptus pilbarensis	
Triodia angusta	
Triodia brizoides	
Triodia wiseana	

Jinidi F&V **Site RWVM-01**



Date	12/03/2024
Described by	Ryan Woodhouse, Vanessa Yeomans
Type	Relevé
Location	MGA Zone 50
	723180 mE; 7450595 mN
	119.1780 E -23.038163 S
Veg Condition	Excellent
Soil	Clay Loam
Rock Type	Calcrete
Fire Age	Old (6+ yr)
Habitat	Calcrete Plain
Vegetation	*Triodia wiseana, Triodia longiceps* mid hummock grassland with *Eucalyptus socialis* subsp. *eucentrica* low isolated mallee trees over *Melaleuca eleuterostachya* low sparse shrubland.

Site Taxa	Specimen
Acacia arida	
Acacia bivenosa	
Acacia pruinocarpa	
Acacia synchronicia	
Eucalyptus leucophloia subsp. *leucophloia*	
Eucalyptus socialis subsp. *eucentrica*	
Melaleuca eleuterostachya	
Senna artemisioides subsp. *oligophylla*	
Solanum phlomoides	
Triodia longiceps	
Triodia wiseana	

Appendix G: Site by species matrix

| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-001 | DIN-002 | DIN-003 | DIN-006 | DIN-007 | DIN-009 | DIN-011 | DIN-012 | DIN-013 | DIN-014 | DIN-015 | DIN-017 | DIN-019 | DIN-020 | DIN-021 | DIN-022 | DIN-023 | DIN-025 | DIN-026 | DIN-029 | DIN-030 | DIN-031 | DIN-032 | DIN-036 | DIN-037 | DIN-039 | DIN-040 | DIN-041 | DIN-044 | DIN-045 | DIN-046 | DIN-048 | DIN-049 | DIN-050 | DIN-051 | DIN-052 | DIN-053 | DIN-055 | DIN-056 | DIN-058 | DIN-062 | DIN-063 | DIN-064 | DIN-065 | DIN-066 | DIN-067 | DIN-068 | DIN-069 | DIN-071 | DIN-073 | DIN-074 | DIN-075 | DIN-076 | DIN-077 | DIN-078 | DIN-080 | DIN-081 | DIN-082 | DIN-083 | DIN-084 | DIN-085 | DIN-087 | DIN-088 | DIN-089 | DIN-090 | DIN-091 | DIN-092 | DIN-093 | DIN-094 | DIN-095 | DIN-096 | DIN-099 | DIN-100 | DIN-101 | DIN-102 | DIN-103 | DIN-104 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-106 | DIN-107 | DIN-108 | DIN-109 | DIN-110 | DIN-111 | DIN-112 | DIN-114 | DIN-116 | DIN-117 | DIN-119 | DIN-120 | DIN-121 | DIN-123 | DIN-125 | DIN-126 | DIN-127 | DIN-128 | DIN-130 | DIN-131 | DIN-132 | DIN-133 | DIN-134 | DIN-135 | DIN-136 | DIN-137 | DIN-138 | DIN-139 | DIN-140 | DIN-143 | DIN-144 | DIN-145 | DIN-146 | DIN-148 | DIN-149 | DIN-151 | DIN-152 | DIN-154 | DIN-156 | DIN-157 | DIN-158 | DIN-159 | DIN-160 | DIN-161 | DIN-162 | DIN-163 | DIN-165 | DIN-166 | DIN-167 | DIN-168 | DIN-169 | DIN-170 | DIN-172 | DIN-174 | DIN-175 | DIN-177 | DIN-178 | DIN-179 | DIN-180 | DIN-181 | DIN-182 | DIN-183 | DIN-184 | DIN-185 | DIN-187 | DIN-188 | DIN-190 | DIN-191 | DIN-192 | DIN-193 | DIN-195 | DIN-196 | DIN-197 | DIN-198 | DIN-199 | DIN-200 | DIN-201 |
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| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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Taxon	DIN-202	DIN-204	DIN-205	DIN-206	DIN-207	DIN-208	DIN-209	DIN-210	DIN-211	DIN-212	DIN-213	DIN-214	DIN-215	DIN-216	DIN-217	DIN-218	DIN-219	DIN-222	DIN-223	DIN-224	DIN-225	DIN-251	DIN-255	DIN-256	DIN-258	DIN-259	DIN-260	DIN-261	DIN-262	DIN-263	DIN-264	DIN-265	DIN-266	DIN-269	DIN-270	DIN-271	DIN-272	DIN-273	DIN-275	DIN-280	DIN-281	DIN-282	DIN-283	DIN-286	DIN-290	DIN-300	DINR-014	DINR-017	DINR-024	DINR-033	DINR-060	DINR-070	DINR-079	DINR-098	DINR-115	DINR-118	DINR-126	DINR-136	DINR-141	DINR-142	DINR-143	DINR-147	DINR-150	DINR-153	DINR-159	DINR-164	DINR-189	DINR-190	DINR-193	DINR-203	DINR-220	DINR-252	DINR-254	DINR-255	No Site	RWVM-01
Corchorus incanus subsp. *lithophilus*		

| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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| Taxon | DIN-202 | DIN-204 | DIN-205 | DIN-206 | DIN-207 | DIN-208 | DIN-209 | DIN-210 | DIN-211 | DIN-212 | DIN-213 | DIN-214 | DIN-215 | DIN-216 | DIN-217 | DIN-218 | DIN-219 | DIN-222 | DIN-223 | DIN-224 | DIN-225 | DIN-251 | DIN-255 | DIN-256 | DIN-258 | DIN-259 | DIN-260 | DIN-261 | DIN-262 | DIN-263 | DIN-264 | DIN-265 | DIN-266 | DIN-269 | DIN-270 | DIN-271 | DIN-272 | DIN-273 | DIN-275 | DIN-280 | DIN-281 | DIN-282 | DIN-283 | DIN-286 | DIN-290 | DIN-300 | DINR-014 | DINR-017 | DINR-024 | DINR-033 | DINR-060 | DINR-070 | DINR-079 | DINR-098 | DINR-115 | DINR-118 | DINR-126 | DINR-136 | DINR-141 | DINR-142 | DINR-143 | DINR-147 | DINR-150 | DINR-153 | DINR-159 | DINR-164 | DINR-189 | DINR-190 | DINR-193 | DINR-203 | DINR-220 | DINR-252 | DINR-254 | DINR-255 | No Site | RWVM-01 |
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Appendix H: WAH formal identification

WAH Accession no.	Coll #	Field Name	WA Herbarium ID
10604	JIN245.01	Acacia ?brom	*Acacia bromilowiana* (P4)
	KJRW.007	Acacia subtiliformis	*Acacia subtiliformis* (P3)
	JIN021.02	Eremophila naaykensii	*Eremophila naaykensii* (P3)
	JIN.CA03	Goodenia tall calcrete	*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3)
	Scop06	Goodenia sp. East Pilbara (A.A. Mitchell PRP 727)	*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3)
	JIN.134.01	Grevillea ?saxicola	*Grevillea saxicola* (P3)
	SCSAop02	Grevillea saxicola	*Grevillea saxicola* (P3)
	JIN051.01	Gymnanthera cunninghamii	*Gymnanthera cunninghamii* (P3)
	KJRW002.04	Hibiscus sp. Grurrumbidgy Ridge	*Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)
	Scop02	Indigofera gilesii	*Indigofera gilesii* (P3)
	JIN263.2	Lepidium catapycnon	*Lepidium catapycnon* (P4)
	JIN127.02	Rhagodia sp. Hamersley (M. Trudgen 17794)	*Rhagodia* sp. Hamersley (M. Trudgen 17794) (P3)
	JIN02.01	Rostellularia adscendens var. latifolia	*Rostellularia adscendens* var. *latifolia* (P3)
	Scop01	Triodia sp. Mt Ella (M.E. Trudgen 12739)	*Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3)
10865	SCRAC.01	Aristida lazaridis	*Aristida lazaridis* (P3)
	JIN183.04w	Bothriochloa decipiens var. cloncurrensis	*Bothriochloa ewartiana*
	JIN190.08w	Bothriochloa ?pertusa	*Bothriochloa ewartiana*
	SCSA.03w	Bothriochloa pertusa	*Bothriochloa ewartiana*
	JIN180.01w	Cladium procerum	*Cladium procerum* (P2)
	JIN199.02w	Eremophila naaykensii	*Eremophila naaykensii* (P3)
	JINEBRC.03	Fimbristylis sieberiana	*Fimbristylis sieberiana* (P3)
	JIN132.04w	Glycine ?canescens	*Glycine canescens*
	JIN117.07w	Goodenia sp. East Pilbara (A.A. Mitchell PRP 727)	*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3)
	RWopp01	Goodenia sp. East Pilbara (A.A. Mitchell PRP 727)	*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) (P3)
	JIN136.04w	Grevillea sp. indet	*Grevillea* sp. (?saxicola) (?P3)
	JIN283.01w	Indigofera gilesii	*Indigofera gilesii* (P3)
	JIN148.s01w	Indigofera gilesii	*Indigofera gilesii* (P3)
	JIN211.10w	Oxalis sp. Pilbara (M.E. Trudgen 12725)	*Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3)
	JIN195.04w	Oxalis sp. Pilbara (M.E. Trudgen 12725)	*Oxalis* sp. Pilbara (M.E. Trudgen 12725) (P3)
	EKVY02W	Triodia sp. Mt Ella (M.E. Trudgen 12739)	*Triodia* sp. Mt Ella (M.E. Trudgen 12739) (P3)
	JIN133.10w	Urochloa gilesii subsp. gilesii	*Urochloa occidentalis* var. *ciliata*
	JIN133.02w	Urochloa praetervisa	*Urochloa praetervisa*

Appendix I: Reconciled species list

Non-Reconciled	Taxon Reconciled
Abutilon ?cunninghamii	*Abutilon cunninghamii*
Abutilon ?fraseri	*Abutilon fraseri*
Abutilon ?lepidum	*Abutilon lepidum*
Abutilon ?macrum	*Abutilon macrum*
Abutilon ?otocarpum	*Abutilon otocarpum*
Abutilon ?sp. Dioicum (A.A. Mitchell PRP1618)	*Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618)
Abutilon amplum	*Abutilon amplum*
Abutilon cunninghamii	*Abutilon cunninghamii*
Abutilon fraseri subsp. *fraseri*	*Abutilon fraseri*
Abutilon lepidum	*Abutilon lepidum*
Abutilon macrum	*Abutilon macrum*
Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)	*Abutilon* sp. Dioicum (A.A. Mitchell PRP 1618)
Abutilon sp. indet	Removed
Acacia ?aptaneura (short/broad phyllode variant)	*Acacia aneura*
Acacia ?pruinocarpa	*Acacia pruinocarpa*
Acacia ?sibirica	*Acacia sibirica*
Acacia adoxa var. *adoxa*	*Acacia adoxa* var. *adoxa*
Acacia adsurgens	*Acacia adsurgens*
Acacia ampliceps	*Acacia ampliceps*
Acacia ancistrocarpa	*Acacia ancistrocarpa*
Acacia aneura	*Acacia aneura*
Acacia aptaneura	*Acacia aneura*
Acacia arida	*Acacia arida*
Acacia atkinsiana	*Acacia atkinsiana*
Acacia ayersiana	*Acacia ayersiana*
Acacia ayersiana hybrid	*Acacia ayersiana*
Acacia bivenosa	*Acacia bivenosa*
Acacia bromilowiana	*Acacia bromilowiana*
Acacia catenulata subsp. *occidentalis*	*Acacia catenulata* subsp. *occidentalis*
Acacia citrinoviridis	*Acacia citrinoviridis*
Acacia colei	*Acacia colei*
Acacia coriacea subsp. *pendens*	*Acacia coriacea* subsp. *pendens*
Acacia cowleana	*Acacia cowleana*
Acacia dictyophleba	*Acacia dictyophleba*
Acacia distans	*Acacia distans*
Acacia elachantha	*Acacia elachantha*
Acacia eriopoda	*Acacia eriopoda*
Acacia hamersleyensis	*Acacia hamersleyensis*
Acacia hilliana	*Acacia hilliana*

Non-Reconciled	Taxon Reconciled
Acacia inaequilatera	*Acacia inaequilatera*
Acacia incurvaneura	*Acacia aneura*
Acacia maitlandii	*Acacia maitlandii*
Acacia marramamba	*Acacia marramamba*
Acacia monticola	*Acacia monticola*
Acacia monticola × *tumida* var. *pilbarensis*	*Acacia monticola*
Acacia mulganeura	*Acacia mulganeura*
Acacia pachyacra	*Acacia pachyacra*
Acacia pruinocarpa	*Acacia pruinocarpa*
Acacia pteraneura	*Acacia pteraneura*
Acacia pyrifolia var. *pyrifolia*	*Acacia pyrifolia* var. *pyrifolia*
Acacia rhodophloia	*Acacia rhodophloia*
Acacia sibirica	*Acacia sibirica*
Acacia sp. indet	Removed
Acacia spondylophylla	*Acacia spondylophylla*
Acacia steedmanii subsp. *borealis*	*Acacia steedmanii* subsp. *borealis*
Acacia subtiliformis	*Acacia subtiliformis*
Acacia synchronicia	*Acacia synchronicia*
Acacia tenuissima	*Acacia tenuissima*
Acacia tetragonophylla	*Acacia tetragonophylla*
Acacia trudgeniana	*Acacia trudgeniana*
Acacia tumida var. *pilbarensis*	*Acacia tumida* var. *pilbarensis*
Achyranthes aspera	*Achyranthes aspera*
Acrachne racemosa	*Acrachne racemosa*
Adriana tomentosa	*Adriana tomentosa*
Adriana tomentosa var. *hookeri*	*Adriana tomentosa*
Aerva javanica	*Aerva javanica*
Afrohybanthus aurantiacus	*Afrohybanthus aurantiacus*
Alternanthera denticulata var. *denticulata*	*Alternanthera denticulata* var. *denticulata*
Alternanthera nana	*Alternanthera nana*
Alternanthera nodiflora	*Alternanthera nodiflora*
Alternanthera pungens	*Alternanthera pungens*
Amaranthus cuspidifolius	*Amaranthus cuspidifolius*
Amaranthus undulatus	*Amaranthus undulatus*
Ammannia multiflora	*Ammannia multiflora*
Amphipogon sericeus	*Amphipogon sericeus*
Amyema fitzgeraldii	*Amyema fitzgeraldii*
Amyema sanguinea var. *pulchra*	*Amyema sanguinea*
Amyema sanguinea var. *sanguinea*	*Amyema sanguinea*

Non-Reconciled	Taxon Reconciled
Androcalva luteiflora	*Androcalva luteiflora*
Anthobolus leptomerioides	*Anthobolus leptomerioides*
Aristida burbidgeae	*Aristida burbidgeae*
Aristida contorta	*Aristida contorta*
Aristida holathera var. *holathera*	*Aristida holathera* var. *holathera*
Aristida inaequiglumis	*Aristida inaequiglumis*
Aristida latifolia	*Aristida latifolia*
Aristida lazaridis	*Aristida lazaridis*
Aristida obscura	*Aristida obscura*
Aristida pruinosa	*Aristida pruinosa*
Aristida sp. indet	Removed
Arivela viscosa	*Arivela viscosa*
Astrotricha hamptonii	*Astrotricha hamptonii*
Atalaya hemiglauca	*Atalaya hemiglauca*
Bidens bipinnata	*Bidens bipinnata*
Boerhavia coccinea	*Boerhavia coccinea*
Boerhavia repleta	*Boerhavia repleta*
Boerhavia schomburgkiana	*Boerhavia schomburgkiana*
Boerhavia sp. indet	Removed
Bonamia erecta	*Bonamia erecta*
Bonamia pilbarensis	*Bonamia pilbarensis*
Bothriochloa ewartiana	*Bothriochloa ewartiana*
Brachychiton acuminatus	*Brachychiton acuminatus*
Bulbostylis barbata	*Bulbostylis barbata*
Bulbostylis turbinata	*Bulbostylis turbinata*
Calytrix carinata	*Calytrix carinata*
Capparis lasiantha	*Capparis lasiantha*
Capparis spinosa subsp. *nummularia*	*Capparis spinosa* subsp. *nummularia*
Carissa lanceolata	*Carissa lanceolata*
Cassytha ?filiformis	*Cassytha filiformis*
Cassytha capillaris	*Cassytha capillaris*
Cassytha filiformis	*Cassytha filiformis*
Cathetus virgatus	*Cathetus virgatus*
Cenchrus ciliaris	*Cenchrus ciliaris*
Cenchrus setiger	*Cenchrus setiger*
Centipeda minima subsp. *macrocephala*	*Centipeda minima* subsp. *macrocephala*
Cheilanthes brownii	*Cheilanthes brownii*
Cheilanthes lasiophylla	*Cheilanthes lasiophylla*
Cheilanthes sieberi subsp. *sieberi*	*Cheilanthes sieberi* subsp. *sieberi*

Non-Reconciled	Taxon Reconciled
Chloris virgata	*Chloris virgata*
Chrysocephalum apiculatum subsp. *pilbarense*	*Chrysocephalum apiculatum* subsp. *pilbarense*
Chrysopogon fallax	*Chrysopogon fallax*
Cladium procerum	*Cladium procerum*
Clerodendrum floribundum var. *angustifolium*	*Clerodendrum floribundum*
Clerodendrum tomentosum var. *lanceolatum*	*Clerodendrum floribundum*
Codonocarpus cotinifolius	*Codonocarpus cotinifolius*
Commelina ensifolia	*Commelina ensifolia*
Commicarpus australis	*Commicarpus australis*
Convolvulus clementii	*Convolvulus clementii*
Convolvulus remotus	*Convolvulus remotus*
Corchorus ?crozophorifolius	*Corchorus crozophorifolius*
Corchorus ?lasiocarpus subsp. *parvus*	*Corchorus lasiocarpus*
Corchorus crozophorifolius	*Corchorus crozophorifolius*
Corchorus incanus subsp. *lithophilus*	*Corchorus incanus* subsp. *lithophilus*
Corchorus lasiocarpus	*Corchorus lasiocarpus*
Corchorus lasiocarpus subsp. *parvus*	*Corchorus lasiocarpus*
Corchorus sidoides	*Corchorus sidoides*
Corchorus sp. indet	Removed
Corchorus tridens	*Corchorus tridens*
Corymbia candida subsp. *candida*	*Corymbia candida* subsp. *candida*
Corymbia deserticola subsp. *deserticola*	*Corymbia deserticola* subsp. *deserticola*
Corymbia ferriticola	*Corymbia ferriticola*
Corymbia hamersleyana	*Corymbia hamersleyana*
Crotalaria medicaginea var. *neglecta*	*Crotalaria medicaginea* var. *neglecta*
Crotalaria novae-hollandiae subsp. *novae-hollandiae*	*Crotalaria novae-hollandiae* subsp. *novae-hollandiae*
Cryptandra monticola	*Cryptandra monticola*
Cucumis argenteus	*Cucumis argenteus*
Cucumis variabilis	*Cucumis variabilis*
Cullen lachnostachys	*Cullen lachnostachys*
Cullen leucanthum	*Cullen leucanthum*
Cullen leucochaites	*Cullen leucochaites*
Cymbopogon ambiguus	*Cymbopogon ambiguus*
Cymbopogon obtectus	*Cymbopogon obtectus*
Cynanchum floribundum	*Cynanchum floribundum*
Cynanchum viminale subsp. *australe*	*Cynanchum viminale* subsp. *australe*
Cynodon convergens	*Cynodon convergens*
Cynodon dactylon	*Cynodon dactylon*
Cynodon prostratus	*Cynodon prostratus*

Non-Reconciled	Taxon Reconciled
Cyperus cunninghamii subsp. *cunninghamii*	*Cyperus cunninghamii* subsp. *cunninghamii*
Cyperus hesperius	*Cyperus hesperius*
Cyperus sp. indet	Removed
Cyperus vaginatus	*Cyperus vaginatus*
Dactyloctenium radulans	*Dactyloctenium radulans*
Dampiera candicans	*Dampiera candicans*
Datura leichhardtii	*Datura leichhardtii*
Dendrophyllanthus erwinii	*Dendrophyllanthus erwinii*
Dichanthium sericeum subsp. *sericeum*	*Dichanthium sericeum* subsp. *sericeum*
Dicladanthera forrestii	*Dicladanthera forrestii*
Dicrastylis cordifolia	*Dicrastylis cordifolia*
Digitaria ammophila	*Digitaria ammophila*
Digitaria brownii	*Digitaria brownii*
Digitaria ctenantha	*Digitaria ctenantha*
Diplopeltis stuartii var. *stuartii*	*Diplopeltis stuartii* var. *stuartii*
Dipteracanthus australasicus subsp. *australasicus*	*Dipteracanthus australasicus* subsp. *australasicus*
Dodonaea coriacea	*Dodonaea coriacea*
Dodonaea lanceolata var. *lanceolata*	*Dodonaea lanceolata* var. *lanceolata*
Dodonaea pachyneura	*Dodonaea pachyneura*
Dodonaea petiolaris	*Dodonaea petiolaris*
Dodonaea viscosa subsp. *mucronata*	*Dodonaea viscosa*
Dodonaea viscosa subsp. *spatulata*	*Dodonaea viscosa*
Dolichocarpa crouchiana	*Dolichocarpa crouchiana*
Duperreya commixta	*Duperreya commixta*
Dysphania kalpari	*Dysphania kalpari*
Dysphania melanocarpa forma *melanocarpa*	*Dysphania melanocarpa* forma *melanocarpa*
Dysphania rhadinostachya	*Dysphania rhadinostachya*
Dysphania rhadinostachya subsp. *rhadinostachya*	*Dysphania rhadinostachya*
Dysphania sp. indet	Removed
Echinochloa colona	*Echinochloa colona*
Ehretia saligna var. *saligna*	*Ehretia saligna* var. *saligna*
Eleocharis geniculata	*Eleocharis geniculata*
Enchylaena tomentosa var. *tomentosa*	*Enchylaena tomentosa* var. *tomentosa*
Enneapogon ?robustissimus	*Enneapogon robustissimus*
Enneapogon caerulescens	*Enneapogon caerulescens*
Enneapogon lindleyanus	*Enneapogon lindleyanus*
Enneapogon polyphyllus	*Enneapogon polyphyllus*
Enneapogon robustissimus	*Enneapogon robustissimus*
Enneapogon sp. indet	Removed

Non-Reconciled	Taxon Reconciled
Enteropogon ramosus	*Enteropogon ramosus*
Eragrostis ?eriopoda	*Eragrostis eriopoda*
Eragrostis cumingii	*Eragrostis cumingii*
Eragrostis desertorum	*Eragrostis desertorum*
Eragrostis elongata	*Eragrostis elongata*
Eragrostis eriopoda	*Eragrostis eriopoda*
Eragrostis exigua	*Eragrostis exigua*
Eragrostis setifolia	*Eragrostis setifolia*
Eragrostis sp. indet	Removed
Eragrostis tenellula	*Eragrostis tenellula*
Eremophila ?latrobei	*Eremophila latrobei*
Eremophila ?petrophila	*Eremophila petrophila*
Eremophila clarkei	*Eremophila clarkei*
Eremophila cuneifolia	*Eremophila cuneifolia*
Eremophila exilifolia	*Eremophila exilifolia*
Eremophila forrestii subsp. *forrestii*	*Eremophila forrestii* subsp. *forrestii*
Eremophila fraseri subsp. *fraseri*	*Eremophila fraseri* subsp. *fraseri*
Eremophila jucunda subsp. *pulcherrima*	*Eremophila jucunda* subsp. *pulcherrima*
Eremophila lanceolata	*Eremophila lanceolata*
Eremophila latrobei	*Eremophila latrobei*
Eremophila latrobei subsp. *filiformis*	*Eremophila latrobei*
Eremophila latrobei subsp. *glabra*	*Eremophila latrobei*
Eremophila latrobei subsp. *latrobei*	*Eremophila latrobei*
Eremophila longifolia	*Eremophila longifolia*
Eremophila naaykensii	*Eremophila naaykensii*
Eremophila oppositifolia subsp. *angustifolia*	*Eremophila oppositifolia* subsp. *angustifolia*
Eremophila petrophila subsp. *petrophila*	*Eremophila petrophila*
Eremophila phyllopoda subsp. *obliqua*	*Eremophila phyllopoda* subsp. *obliqua*
Eremophila platycalyx	*Eremophila platycalyx*
Eremophila platycalyx subsp. *pardalota*	*Eremophila platycalyx*
Eremophila sp. indet	Removed
Eriachne ?benthamii	*Eriachne benthamii*
Eriachne ?tenuiculmis	*Eriachne tenuiculmis*
Eriachne aristidea	*Eriachne aristidea*
Eriachne benthamii	*Eriachne benthamii*
Eriachne helmsii	*Eriachne helmsii*
Eriachne lanata	*Eriachne lanata*
Eriachne mucronata	*Eriachne mucronata*
Eriachne pulchella	*Eriachne pulchella*

Non-Reconciled	Taxon Reconciled
Eriachne pulchella subsp. *dominii*	*Eriachne pulchella*
Eriachne tenuiculmis	*Eriachne tenuiculmis*
Erigeron bonariensis	*Erigeron bonariensis*
Eucalyptus ?kingsmillii	*Eucalyptus kingsmillii*
Eucalyptus camaldulensis subsp. *refulgens*	*Eucalyptus camaldulensis* subsp. *refulgens*
Eucalyptus gamophylla	*Eucalyptus gamophylla*
Eucalyptus kingsmillii	*Eucalyptus kingsmillii*
Eucalyptus leucophloia subsp. *leucophloia*	*Eucalyptus leucophloia* subsp. *leucophloia*
Eucalyptus pilbarensis	*Eucalyptus pilbarensis*
Eucalyptus socialis subsp. *eucentrica*	*Eucalyptus socialis* subsp. *eucentrica*
Eucalyptus sp. indet	Removed
Eucalyptus trivalva	*Eucalyptus trivalva*
Eucalyptus victrix	*Eucalyptus victrix*
Eucalyptus xerothermica	*Eucalyptus xerothermica*
Eulalia aurea	*Eulalia aurea*
Eulalia simonii	*Eulalia simonii*
Euphorbia australis	*Euphorbia australis*
Euphorbia australis var. *hispidula*	*Euphorbia australis*
Euphorbia australis var. *subtomentosa*	*Euphorbia australis*
Euphorbia biconvexa	*Euphorbia* sp. indet (bi/tri)
Euphorbia boophthona	*Euphorbia boophthona*
Euphorbia drummondii	*Euphorbia drummondii*
Euphorbia hirta	*Euphorbia hirta*
Euphorbia sp. indet (bi/tri)	*Euphorbia* sp. indet (bi/tri)
Euphorbia tannensis subsp. *eremophila*	*Euphorbia tannensis* subsp. *eremophila*
Euphorbia trigonosperma	*Euphorbia* sp. indet (bi/tri)
Euploca ?cunninghamii	*Euploca cunninghamii*
Euploca ?ovalifolia	*Euploca ovalifolia*
Euploca ?tenuifolia	*Euploca tenuifolia*
Euploca chrysocarpa	*Euploca chrysocarpa*
Euploca heterantha	*Euploca heterantha*
Euploca inexplicita	*Euploca inexplicita*
Euploca ovalifolia	*Euploca ovalifolia*
Euploca pachyphylla	*Euploca pachyphylla*
Euploca sp. indet	Removed
Euploca tenuifolia	*Euploca tenuifolia*
Evolvulus alsinoides	*Evolvulus alsinoides*
Evolvulus alsinoides var. *decumbens*	*Evolvulus alsinoides*
Evolvulus alsinoides var. *villosicalyx*	*Evolvulus alsinoides*

Non-Reconciled	Taxon Reconciled
Exocarpos sparteus	*Exocarpos sparteus*
Ficus brachypoda	*Ficus brachypoda*
Fimbristylis dichotoma	*Fimbristylis dichotoma*
Fimbristylis sieberiana	*Fimbristylis sieberiana*
Fimbristylis simulans	*Fimbristylis simulans*
Gastrolobium grandiflorum	*Gastrolobium grandiflorum*
Glycine canescens	*Glycine canescens*
Glycine sp. indet	Removed
Gompholobium oreophilum	*Gompholobium oreophilum*
Gomphrena canescens subsp. *canescens*	*Gomphrena canescens* subsp. *canescens*
Gomphrena cunninghamii	*Gomphrena cunninghamii*
Goodenia ?microptera	*Goodenia microptera*
Goodenia ?muelleriana	*Goodenia muelleriana*
Goodenia cusackiana	*Goodenia cusackiana*
Goodenia forrestii	*Goodenia forrestii*
Goodenia lamprosperma	*Goodenia lamprosperma*
Goodenia microptera	*Goodenia microptera*
Goodenia muelleriana	*Goodenia muelleriana*
Goodenia nuda	*Goodenia nuda*
Goodenia sp. East Pilbara (A.A. Mitchell PRP 727)	*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727)
Goodenia stellata	*Goodenia stellata*
Goodenia stobbsiana	*Goodenia stobbsiana*
Goodenia triodiophila	*Goodenia triodiophila*
Gossypium australe	*Gossypium australe*
Gossypium robinsonii	*Gossypium robinsonii*
Gossypium sturtianum var. *sturtianum*	*Gossypium sturtianum* var. *sturtianum*
Grevillea berryana	*Grevillea berryana*
Grevillea pyramidalis subsp. *leucadendron*	*Grevillea pyramidalis* subsp. *leucadendron*
Grevillea saxicola	*Grevillea saxicola*
Grevillea sp. (?saxicola)	Removed
Grevillea wickhamii	*Grevillea wickhamii*
Grevillea wickhamii subsp. *aprica*	*Grevillea wickhamii*
Grevillea wickhamii subsp. *hispidula*	*Grevillea wickhamii*
Gymnanthera cunninghamii	*Gymnanthera cunninghamii*
Hakea chordophylla	*Hakea chordophylla*
Hakea lorea subsp. *lorea*	*Hakea lorea* subsp. *lorea*
Halgania cyanea var. Allambi Stn (B.W. Strong 676)	*Halgania cyanea* var. Allambi Stn (B.W. Strong 676)
Halgania gustafsenii var. *gustafsenii*	*Halgania gustafsenii*
Halgania gustafsenii var. Mid West (G. Perry 370)	*Halgania gustafsenii*

Non-Reconciled	Taxon Reconciled
Hibbertia glaberrima	*Hibbertia glaberrima*
Hibiscus ?coatesii	*Hibiscus coatesii*
Hibiscus ?sturtii	*Hibiscus sturtii*
Hibiscus burtonii	*Hibiscus burtonii*
Hibiscus coatesii	*Hibiscus coatesii*
Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708)	*Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708)
Hibiscus sp. indet	Removed
Hibiscus sp. Mt Robinson (G. Byrne 3537)	*Hibiscus* sp. Mt Robinson (G. Byrne 3537)
Hibiscus sturtii	*Hibiscus sturtii*
Hibiscus sturtii var. *campylochlamys*	*Hibiscus sturtii*
Hibiscus sturtii var. *platychlamys*	*Hibiscus sturtii*
Imperata cylindrica	*Imperata cylindrica*
Indigofera fractiflexa subsp. *fractiflexa*	*Indigofera fractiflexa* subsp. *fractiflexa*
Indigofera georgei	*Indigofera georgei*
Indigofera gilesii	*Indigofera gilesii*
Indigofera monophylla	*Indigofera monophylla*
Indigofera rugosa	*Indigofera rugosa*
Ipomoea muelleri	*Ipomoea muelleri*
Ipomoea plebeia	*Ipomoea plebeia*
Ipomoea polymorpha	*Ipomoea polymorpha*
Iseilema membranaceum	*Iseilema membranaceum*
Iseilema sp. indet	Removed
Isotropis iophyta	*Isotropis iophyta*
Jasminum didymum subsp. *lineare*	*Jasminum didymum* subsp. *lineare*
Lactuca serriola forma *serriola*	*Lactuca serriola* forma *serriola*
Lamarchea sulcata	*Lamarchea sulcata*
Leichhardtia australis	*Leichhardtia australis*
Lepidium catapycnon	*Lepidium catapycnon*
Lepidium pedicellosum	*Lepidium pedicellosum*
Lepidium phlebopetalum	*Lepidium phlebopetalum*
Lepidium pholidogynum	*Lepidium pholidogynum*
Lobelia arnhemiaca	*Lobelia arnhemiaca*
Lobelia heterophylla subsp. *pilbarensis*	*Lobelia heterophylla* subsp. *pilbarensis*
Lysiana casuarinae	*Lysiana casuarinae*
Maireana ?georgei	*Maireana georgei*
Maireana georgei	*Maireana georgei*
Maireana planifolia	*Maireana planifolia*
Maireana planifolia x *villosa*	*Maireana planifolia* x *villosa*
Maireana sp. indet	Removed

Non-Reconciled	Taxon Reconciled
Maireana tomentosa	*Maireana tomentosa*
Maireana triptera	*Maireana triptera*
Maireana villosa	*Maireana villosa*
Malvastrum americanum	*Malvastrum americanum*
Marsilea ?hirsuta	Removed
Marsilea sp. indet	Removed
Maytenus sp. Mt Windell (S. van Leeuwen 846)	*Maytenus* sp. Mt Windell (S. van Leeuwen 846)
Melaleuca argentea	*Melaleuca argentea*
Melaleuca bracteata	*Melaleuca bracteata*
Melaleuca eleuterostachya	*Melaleuca eleuterostachya*
Melaleuca glomerata	*Melaleuca glomerata*
Melhania oblongifolia	*Melhania oblongifolia*
Melinis repens	*Melinis repens*
Mirbelia viminalis	*Mirbelia viminalis*
Nellica maderaspatensis	*Nellica maderaspatensis*
Newcastelia clavipetala	*Newcastelia clavipetala*
Nicotiana benthamiana	*Nicotiana benthamiana*
Nicotiana occidentalis subsp. *occidentalis*	*Nicotiana occidentalis* subsp. *occidentalis*
Nicotiana rosulata	*Nicotiana rosulata*
Nicotiana sp. indet	Removed
Notoleptopus decaisnei var. Orbicularis (A.B. Craig 428)	*Notoleptopus decaisnei* var. Orbicularis (A.B. Craig 428)
Olearia fluvialis	*Olearia fluvialis*
Olearia xerophila	*Olearia xerophila*
Oxalis sp. Pilbara (M.E. Trudgen 12725)	*Oxalis* sp. Pilbara (M.E. Trudgen 12725)
Panicum australiense var. *australiense*	*Panicum australiense* var. *australiense*
Panicum decompositum	*Panicum decompositum*
Panicum effusum	*Panicum effusum*
*Paraneurachne muelleri^*	*Paraneurachne muelleri^*
Paspalidium basicladum	*Paspalidium basicladum*
Paspalidium clementii	*Paspalidium clementii*
Paspalidium constrictum	*Paspalidium constrictum*
Paspalidium rarum	*Paspalidium rarum*
Paspalidium sp. indet	Removed
Pentalepis trichodesmoides subsp. *trichodesmoides*	*Pentalepis trichodesmoides* subsp. *trichodesmoides*
Peripleura arida	*Peripleura arida*
Perotis rara	*Perotis rara*
Petalostylis labicheoides	*Petalostylis labicheoides*
Pluchea dentex	*Pluchea dentex*
Pluchea rubelliflora	*Pluchea rubelliflora*

Non-Reconciled	Taxon Reconciled
Pluchea sp. indet	Removed
Polycarpaea longiflora	*Polycarpaea longiflora*
Polycarpaea sp. indet	Removed
Polygala glaucifolia	*Polygala glaucifolia*
Polymeria ambigua	*Polymeria ambigua*
Polymeria mollis	*Polymeria mollis*
Portulaca oleracea	*Portulaca oleracea*
Prostanthera albiflora	*Prostanthera albiflora*
Psydrax latifolia	*Psydrax latifolia*
Psydrax rigidula	*Psydrax rigidula*
Psydrax suaveolens	*Psydrax suaveolens*
Pterocaulon serrulatum var. *velutinum*	*Pterocaulon serrulatum* var. *velutinum*
Pterocaulon sphacelatum	*Pterocaulon sphacelatum*
Pterocaulon sphaeranthoides	*Pterocaulon sphaeranthoides*
Ptilotus ?auriculifolius	Removed
Ptilotus ?fusiformis	Removed
Ptilotus astrolasius	*Ptilotus astrolasius*
Ptilotus auriculifolius	*Ptilotus auriculifolius*
Ptilotus calostachyus	*Ptilotus calostachyus*
Ptilotus clementii	*Ptilotus clementii*
Ptilotus exaltatus	*Ptilotus exaltatus*
Ptilotus fusiformis	*Ptilotus fusiformis*
Ptilotus gaudichaudii	*Ptilotus gaudichaudii*
Ptilotus helipteroides	*Ptilotus helipteroides*
Ptilotus incanus	*Ptilotus incanus*
Ptilotus obovatus var. *obovatus*	*Ptilotus obovatus* var. *obovatus*
Ptilotus polystachyus	*Ptilotus polystachyus*
Ptilotus rotundifolius	*Ptilotus rotundifolius*
Ptilotus sp. indet	Removed
Ptilotus xerophilus	*Ptilotus xerophilus*
Rhagodia eremaea	*Rhagodia eremaea*
Rhagodia sp. Hamersley (M. Trudgen 17794)	*Rhagodia* sp. Hamersley (M. Trudgen 17794)
Rhodanthe margarethae	*Rhodanthe margarethae*
Rhynchosia minima	*Rhynchosia minima*
Rostellularia ?adscendens var. *latifolia*	*Rostellularia adscendens* var. *latifolia*
Rostellularia adscendens var. *clementii*	*Rostellularia adscendens* var. *clementii*
Rostellularia adscendens var. *latifolia*	*Rostellularia adscendens* var. *latifolia*
Salsola australis	*Salsola australis*
Santalum lanceolatum	*Santalum lanceolatum*

Non-Reconciled	Taxon Reconciled
Scaevola acacioides	*Scaevola acacioides*
Scaevola amblyanthera var. *centralis*	*Scaevola amblyanthera* var. *centralis*
Scaevola browniana subsp. *browniana*	*Scaevola browniana* subsp. *browniana*
Scaevola parvifolia subsp. *pilbarae*	*Scaevola parvifolia* subsp. *pilbarae*
Scaevola spinescens	*Scaevola spinescens*
Schenkia australis	*Schenkia australis*
Schizachyrium fragile	*Schizachyrium fragile*
Schoenoplectus subulatus	*Schoenoplectus subulatus*
Sclerolaena cornishiana	*Sclerolaena cornishiana*
Sclerolaena cuneata	*Sclerolaena cuneata*
Sclerolaena sp. indet	Removed
Scleromitrion galioides	*Scleromitrion galioides*
Senna ?ferraria	*Senna ferraria*
Senna ?glaucifolia	*Senna glaucifolia*
Senna ?pleurocarpa	*Senna pleurocarpa*
Senna artemisioides subsp. *×artemisioides*	*Senna artemisioides* subsp. *×artemisioides*
Senna artemisioides subsp. *×sturtii*	*Senna artemisioides* subsp. *×sturtii*
Senna artemisioides subsp. *filifolia*	*Senna artemisioides* subsp. *filifolia*
Senna artemisioides subsp. *helmsii*	*Senna artemisioides* subsp. *helmsii*
Senna artemisioides subsp. *helmsii* x *oligophylla*	*Senna artemisioides* subsp. *helmsii*
Senna artemisioides subsp. *oligophylla*	*Senna artemisioides* subsp. *oligophylla*
Senna ferraria	*Senna ferraria*
Senna glaucifolia	*Senna glaucifolia*
Senna glutinosa	*Senna glutinosa* subsp. *×luerssenii*
Senna glutinosa subsp. *×luerssenii*	*Senna glutinosa* subsp. *×luerssenii*
Senna glutinosa subsp. *glutinosa*	*Senna glutinosa* subsp. *glutinosa*
Senna glutinosa subsp. *pruinosa*	*Senna glutinosa* subsp. *pruinosa*
Senna glutinosa subsp. *pruinosa* x *luerssenii*	*Senna glutinosa* subsp. *pruinosa*
Senna notabilis	*Senna notabilis*
Senna sericea	*Senna sericea*
Senna sp. Meekatharra (E. Bailey 1-26)	*Senna* sp. Meekatharra (E. Bailey 1-26)
Senna stricta	*Senna stricta*
Senna symonii	*Senna symonii*
Senna venusta	*Senna venusta*
Seringia exastia	*Seringia exastia*
Seringia nephrosperma	*Seringia nephrosperma*
Sesbania cannabina	*Sesbania cannabina*
Setaria dielsii	*Setaria dielsii*
Setaria surgens	*Setaria surgens*

Non-Reconciled	Taxon Reconciled
Setaria verticillata	*Setaria verticillata*
Sida ?arenicola	*Sida arenicola*
Sida ?cardiophylla	*Sida cardiophylla*
Sida ?echinocarpa	*Sida echinocarpa*
Sida ?ectogama	*Sida ectogama*
Sida ?sp. Articulation below (A.A. Mitchell PRP 1605)	*Sida* sp. Articulation below (A.A. Mitchell PRP 1605)
Sida ?sp. dark green fruits (S. van Leeuwen 2260)	*Sida* sp. dark green fruits (S. van Leeuwen 2260)
Sida ?sp. L (A.M. Ashby 4202)	*Sida* sp. L (A.M. Ashby 4202)
Sida ?sp. Pilbara (A.A. Mitchell PRP 1543)	*Sida* sp. Pilbara (A.A. Mitchell PRP 1543)
Sida arenicola	*Sida arenicola*
Sida arsiniata	*Sida arsiniata*
Sida echinocarpa	*Sida echinocarpa*
Sida ectogama	*Sida ectogama*
Sida fibulifera	*Sida fibulifera*
Sida platycalyx	*Sida platycalyx*
Sida sp. Articulation below (A.A. Mitchell PRP 1605)	*Sida* sp. Articulation below (A.A. Mitchell PRP 1605)
Sida sp. Dark green fruits (S. van Leeuwen 2260)	*Sida* sp. Dark green fruits (S. van Leeuwen 2260)
Sida sp. Excedentifolia (J.L. Egan 1925)	*Sida* sp. Excedentifolia (J.L. Egan 1925)
Sida sp. Golden calyces glabrous (H.N. Foote 32)	*Sida* sp. Golden calyces glabrous (H.N. Foote 32)
Sida sp. indet	Removed
Sida sp. L (A.M. Ashby 4202)	*Sida* sp. L (A.M. Ashby 4202)
Sida sp. Pilbara (A.A. Mitchell PRP 1543)	*Sida* sp. Pilbara (A.A. Mitchell PRP 1543)
Sida sp. Shovelanna Hill (S. van Leeuwen 3842)	*Sida* sp. Shovelanna Hill (S. van Leeuwen 3842)
Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)	*Sida* sp. spiciform panicles (E. Leyland s.n. 14/8/90)
Sida spinosa	*Sida spinosa*
Sigesbeckia orientalis	*Sigesbeckia orientalis*
Solanum ?cleistogamum	*Solanum cleistogamum*
Solanum ?horridum	*Solanum horridum*
Solanum centrale	*Solanum centrale*
Solanum cleistogamum	*Solanum cleistogamum*
Solanum horridum	*Solanum horridum*
Solanum lasiophyllum	*Solanum lasiophyllum*
Solanum nigrum	*Solanum nigrum*
Solanum phlomoides	*Solanum phlomoides*
Solanum sp. indet	Removed
Sonchus oleraceus	*Sonchus oleraceus*
Sporobolus australasicus	*Sporobolus australasicus*
Stackhousia sp. swollen gynophore (W.R. Barker 2041)	*Stackhousia* sp. swollen gynophore (W.R. Barker 2041)
Stemodia grossa	*Stemodia grossa*

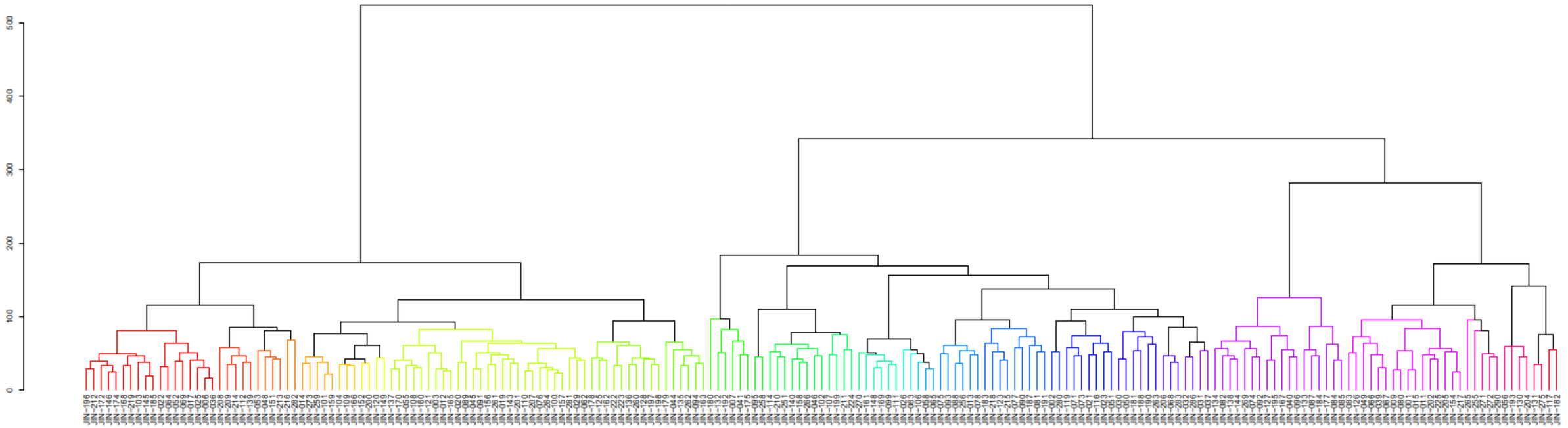
Non-Reconciled	Taxon Reconciled
Stemodia sp. indet	Removed
Stemodia viscosa	*Stemodia viscosa*
Streptoglossa decurrens	*Streptoglossa decurrens*
Streptoglossa sp. indet	Removed
Stylidium weeliwolli	*Stylidium weeliwolli*
Stylobasium spathulatum	*Stylobasium spathulatum*
Templetonia egena	*Templetonia egena*
Tephrosia ?densa	*Tephrosia densa*
Tephrosia ?virens	*Tephrosia virens*
Tephrosia densa	*Tephrosia densa*
Tephrosia oxalidea	*Tephrosia oxalidea*
Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)	*Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186)
Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)	*Tephrosia* sp. Bungaroo Creek (M.E. Trudgen 11601)
Tephrosia sp. indet	Removed
Tephrosia sp. Newman (A.A. Mitchell PRP 29)	*Tephrosia* sp. Newman (A.A. Mitchell PRP 29)
Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)	*Tephrosia* sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)
Tephrosia virens	*Tephrosia virens*
Themeda avenacea	*Themeda avenacea*
Themeda sp. Mt Barricade (M.E. Trudgen 2471)	*Themeda* sp. Mt Barricade (M.E. Trudgen 2471)
Themeda triandra	*Themeda triandra*
Tinospora smilacina	*Tinospora smilacina*
Trachymene oleracea subsp. *oleracea*	*Trachymene oleracea* subsp. *oleracea*
Tragus australianus	*Tragus australianus*
Trianthema glossostigmum	*Trianthema glossostigmum*
Tribulopis angustifolia	*Tribulopis angustifolia*
Tribulus astrocarpus	*Tribulus astrocarpus*
Tribulus hirsutus	*Tribulus hirsutus*
Tribulus macrocarpus	*Tribulus macrocarpus*
Tribulus sp. indet	Removed
Tribulus suberosus	*Tribulus suberosus*
Tribulus terrestris	*Tribulus terrestris*
Trichodesma zeylanicum var. *zeylanicum*	*Trichodesma zeylanicum* var. *zeylanicum*
Tricoryne sp. Hamersley Range (S. van Leeuwen 915)	*Tricoryne* sp. Hamersley Range (S. van Leeuwen 915)
Trigastrotheca molluginea	*Trigastrotheca molluginea*
Triodia angusta	*Triodia angusta*
Triodia brizoides	*Triodia brizoides*
Triodia longiceps	*Triodia longiceps*
Triodia pungens	*Triodia pungens*
Triodia sp. indet	Removed

Non-Reconciled	Taxon Reconciled
Triodia sp. Mt Ella (M.E. Trudgen 12739)	*Triodia* sp. Mt Ella (M.E. Trudgen 12739)
Triodia vanleeuwenii	*Triodia vanleeuwenii*
Triodia wiseana	*Triodia wiseana*
Tripogonella loliiformis	*Tripogonella loliiformis*
Triumfetta ?chaetocarpa	*Triumfetta chaetocarpa*
Triumfetta chaetocarpa	*Triumfetta chaetocarpa*
Triumfetta leptacantha	*Triumfetta leptacantha*
Typha domingensis	*Typha domingensis*
Urochloa ?distachyos	*Urochloa distachyos*
Urochloa distachyos	*Urochloa distachyos*
Urochloa occidentalis var. *ciliata*	*Urochloa occidentalis* var. *ciliata*
Urochloa piligera	*Urochloa piligera*
Urochloa praetervisa	*Urochloa praetervisa*
Vachellia farnesiana var. *farnesiana*	*Vachellia farnesiana* var. *farnesiana*
Ventilago viminalis	*Ventilago viminalis*
Vigna lanceolata var. *lanceolata*	*Vigna lanceolata* var. *lanceolata*
Vigna sp. Hamersley Clay (A.A. Mitchell PRP 113)	*Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113)
Vincetoxicum flexuosum	*Vincetoxicum flexuosum*
Vincetoxicum lineare	*Vincetoxicum lineare*
Vincetoxicum sp. indet	Removed
Wahlenbergia tumidifructa	*Wahlenbergia tumidifructa*
Waltheria indica	*Waltheria indica*

^Now *Neurachne muelleri*. *P. muelleri* has been retained in this list as it was current at the time of conducting statistical analysis.

Appendix J: Dendrogram output

Biologic
ENVIRONMENTAL
SURVEY



Appendix K: Species list

Acanthaceae

Dicladanthera forrestii

Dipteracanthus australasicus subsp. *australasicus*

Rostellularia adscendens var. *clementii*

Rostellularia adscendens var. *latifolia* (P3)

Aizoaceae

Trianthema glossostigmum

Amaranthaceae

Achyranthes aspera

**Aerva javanica*

Alternanthera denticulata var. *denticulata*

Alternanthera nana

Alternanthera nodiflora

**Alternanthera pungens*

Amaranthus cuspidifolius

Amaranthus undulatus

Gomphrena canescens subsp. *canescens*

Gomphrena cunninghamii

Ptilotus ?auriculifolius

Ptilotus ?fusiformis

Ptilotus astrolasius

Ptilotus auriculifolius

Ptilotus calostachyus

Ptilotus clementii

Ptilotus exaltatus

Ptilotus fusiformis

Ptilotus gaudichaudii

Ptilotus helipteroides

Ptilotus incanus

Ptilotus obovatus var. *obovatus*

Ptilotus polystachyus

Ptilotus rotundifolius

Ptilotus sp. indet

Ptilotus xerophilus

Apocynaceae

Carissa lanceolata

Cynanchum floribundum

Cynanchum viminale subsp. *australe*

Gymnanthera cunninghamii (P3)

Leichhardtia australis

Vincetoxicum flexuosum

Vincetoxicum lineare

Vincetoxicum sp. indet

Araliaceae

Astrotricha hamptonii

Trachymene oleracea subsp. *oleracea*

Asteraceae

**Bidens bipinnata*

Centipeda minima subsp. *macrocephala*

Chrysocephalum apiculatum subsp. *pilbarense*

**Erigeron bonariensis*

**Lactuca serriola* forma *serriola*

Olearia fluvialis

Olearia xerophila

Pentalepis trichodesmoides subsp. *trichodesmoides*

Peripleura arida

Pluchea dentex

Pluchea rubelliflora

Pluchea sp. indet

Pterocaulon serrulatum var. *velutinum*

Pterocaulon sphacelatum

Pterocaulon sphaeranthoides

Rhodanthe margarethae

**Sigesbeckia orientalis*

**Sonchus oleraceus*

Streptoglossa decurrens

Streptoglossa sp. indet

Boraginaceae

Ehretia saligna var. *saligna*

Euploca ?cunninghamii

Euploca ?inexplicita

Euploca ?ovalifolia

Euploca ?tenuifolia

Euploca chrysocarpa

Euploca heterantha

Euploca inexplicita

Euploca ovalifolia

Euploca pachyphylla

Euploca sp. indet

Euploca tenuifolia

Halgania cyanea var. Allambi Stn (B.W. Strong 676)

Halgania gustafsenii var. *gustafsenii*

Halgania gustafsenii var. Mid West (G. Perry 370)

Trichodesma zeylanicum var. *zeylanicum*

Brassicaceae

Lepidium catapycnon (P4)

Lepidium pedicellosum

Lepidium phlebopetalum

Lepidium pholidogynum

Campanulaceae

Lobelia arnhemiaca

Lobelia heterophylla subsp. *pilbarensis*

Wahlenbergia tumidifructa

Capparaceae

Capparis lasiantha

Capparis spinosa subsp. *nummularia*

Caryophyllaceae

Polycarpaea longiflora

Polycarpaea sp. indet

Celastraceae

Maytenus sp. Mt Windell (S. van Leeuwen 846)

Stackhousia sp. swollen gynophore (W.R. Barker 2041)

Chenopodiaceae

Dysphania kalpari

Dysphania melanocarpa forma *melanocarpa*

Dysphania rhadinostachya

Dysphania rhadinostachya subsp. *rhadinostachya*

Dysphania sp. indet

Enchylaena tomentosa var. *tomentosa*

Maireana ?georgei

Maireana georgei

Maireana planifolia

Maireana planifolia x *villosa*

Maireana sp. indet

Maireana tomentosa

Maireana triptera

Maireana villosa

Rhagodia eremaea

Rhagodia sp. Hamersley (M. Trudgen 17794) (P3)

Salsola australis

Sclerolaena cornishiana

Sclerolaena cuneata

Sclerolaena sp. indet

Cleomaceae

Arivela viscosa

Commelinaceae

Commelina ensifolia

Convolvulaceae

Bonamia erecta

Bonamia pilbarensis

Convolvulus clementii

Convolvulus remotus

Duperreya commixta

Evolvulus alsinoides

Evolvulus alsinoides var. *decumbens*

Evolvulus alsinoides var. *villosicalyx*

Ipomoea muelleri

Ipomoea plebeia

Ipomoea polymorpha

Polymeria ambigua

Polymeria mollis

Cucurbitaceae

Cucumis argenteus

Cucumis variabilis

Cyperaceae

Bulbostylis barbata

Bulbostylis turbinata

Cladium procerum (P2)

Cyperus cunninghamii subsp. *cunninghamii*

Cyperus hesperius

Cyperus sp. indet

Cyperus vaginatus

Eleocharis geniculata

Fimbristylis dichotoma

Fimbristylis sieberiana (P3)

Fimbristylis simulans

Schoenoplectus subulatus

Dilleniaceae

Hibbertia glaberrima

Euphorbiaceae

Adriana tomentosa

Adriana tomentosa var. *hookeri*

Euphorbia australis

Euphorbia australis var. *hispidula*

Euphorbia australis var. *subtomentosa*

Euphorbia biconvexa

Euphorbia boophthona

Euphorbia drummondii

**Euphorbia hirta*

Euphorbia sp. indet (bi/tri)

Euphorbia tannensis subsp. *eremophila*

Euphorbia trigonosperma

Fabaceae

Acacia ?aptaneura (short/broad phyllode variant)

Acacia ?pruinocarpa

Acacia ?sibirica

Acacia adoxa var. *adoxa*

Acacia adsurgens

Acacia ampliceps

Acacia ancistrocarpa

Acacia aneura

Acacia aptaneura

Acacia arida

Acacia atkinsiana

Acacia ayersiana

Acacia ayersiana hybrid

Acacia bivenosa

Acacia bromilowiana (P4)

Acacia catenulata subsp. *occidentalis*

Acacia citrinoviridis

Acacia colei

Acacia coriacea subsp. *pendens*

Acacia cowleana

Acacia dictyophleba

Acacia distans

Acacia elachantha

Acacia eriopoda

Acacia hamersleyensis

Acacia hilliana

Acacia inaequilatera

Acacia incurvaneura

Acacia maitlandii

Acacia marramamba

Acacia monticola

Acacia monticola x *tumida* var. *pilbarensis*

Acacia mulganeura

Acacia pachyacra

Acacia pruinocarpa

Acacia pteraneura

Acacia pyrifolia var. *pyrifolia*

Acacia rhodophloia

Acacia sibirica

Acacia sp. indet

Acacia spondylophylla

Acacia steedmanii subsp. *borealis*

Acacia subtiliformis (P3)

Acacia synchronicia

Acacia tenuissima

Acacia tetragonophylla

Acacia trudgeniana

Acacia tumida var. *pilbarensis*

Crotalaria medicaginea var. *neglecta*

Crotalaria novae-hollandiae subsp. *novae-hollandiae*

Cullen lachnostachys

Cullen leucanthum

Cullen leucochaites

Gastrolobium grandiflorum

Glycine canescens

Glycine sp. indet

Gompholobium oreophilum

Indigofera fractiflexa subsp. *fractiflexa*

Indigofera georgei

Indigofera gilesii (P3)

Indigofera monophylla

Indigofera rugosa

Isotropis iophyta

Mirbelia viminalis

Petalostylis labicheoides

Rhynchosia minima

Senna ?ferraria

Senna ?glaucifolia

Senna ?pleurocarpa

Senna artemisioides subsp. *filifolia*

Senna artemisioides subsp. *helmsii*

Senna artemisioides subsp. *helmsii* x *oligophylla*

Senna artemisioides subsp. *oligophylla*

Senna artemisioides subsp. x *artemisioides*

Senna artemisioides subsp. x *sturtii*

Senna ferraria

Senna glaucifolia

Senna glutinosa

Senna glutinosa subsp. *glutinosa*

Senna glutinosa subsp. *glutinosa* x *luerssenii*

Senna glutinosa subsp. *pruinosa*

Senna glutinosa subsp. *pruinosa* x *luerssenii*

Senna glutinosa subsp. x *luerssenii*

Senna notabilis

Senna sericea

Senna sp. Meekatharra (E. Bailey 1-26)

Senna stricta

Senna symonii

Senna venusta

Sesbania cannabina

Templetonia egena

Tephrosia ?densa

Tephrosia ?virens

Tephrosia densa

Tephrosia oxalidea

Tephrosia rosea var. Fortescue creeks (M.I.H. Brooker 2186)

Tephrosia sp. Bungaroo Creek (M.E. Trudgen 11601)

Tephrosia sp. indet

Tephrosia sp. Newman (A.A. Mitchell PRP 29)

Tephrosia sp. NW Eremaean (S. van Leeuwen et al. PBS 0356)

Tephrosia virens

**Vachellia farnesiana* var. *farnesiana*

Vigna lanceolata var. *lanceolata*

Vigna sp. Hamersley Clay (A.A. Mitchell PRP 113)

Gentianaceae

Schenkia australis

Goodeniaceae

Dampiera candicans

Goodenia ?microptera

Goodenia ?muelleriana

Goodenia cusackiana

Goodenia forrestii

Goodenia lamprosperma

Goodenia microptera

Goodenia muelleriana

Goodenia nuda

Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) (P3)

Goodenia stellata

Goodenia stobbsiana

Goodenia triodiophila

Scaevola acacioides

Scaevola amblyanthera var. *centralis*

Scaevola browniana subsp. *browniana*

Scaevola parvifolia subsp. *pilbarae*

Scaevola spinescens

Gyrostemonaceae

Codonocarpus cotinifolius

Hemerocallidaceae

Tricoryne sp. Hamersley Range (S. van Leeuwen 915)

Lamiaceae

Clerodendrum floribundum var. *angustifolium*

Clerodendrum tomentosum var. *lanceolatum*

Dicrastylis cordifolia

Newcastelia clavipetala

Prostanthera albiflora

Lauraceae

Cassytha ?filiformis

Cassytha capillaris

Cassytha filiformis

Loranthaceae

Amyema fitzgeraldii

Amyema sanguinea var. *pulchra*

Amyema sanguinea var. *sanguinea*

Lysiana casuarinae

Lythraceae

Ammannia multiflora

Malvaceae

Abutilon ?cunninghamii

Abutilon ?fraseri

Abutilon ?lepidum

Abutilon ?macrum

Abutilon ?otocarpum

Abutilon ?sp. Dioicum (A.A. Mitchell PRP 1618)

Abutilon amplum

Abutilon cunninghamii

Abutilon fraseri subsp. *fraseri*

Abutilon lepidum

Abutilon macrum

Abutilon otocarpum

Abutilon sp. Dioicum (A.A. Mitchell PRP 1618)

Abutilon sp. indet

Androcalva luteiflora

Brachychiton acuminatus

Corchorus ?crozophorifolius

Corchorus ?lasiocarpus subsp. *parvus*

Corchorus crozophorifolius

Corchorus incanus subsp. *lithophilus*

Corchorus lasiocarpus

Corchorus lasiocarpus subsp. *parvus*

Corchorus sidoides

Corchorus sp. indet

Corchorus tridens

Gossypium australe

Gossypium robinsonii

Gossypium sturtianum var. *sturtianum*

Hibiscus ?coatesii

Hibiscus ?sturtii

Hibiscus burtonii

Hibiscus coatesii

Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) (P2)

Hibiscus sp. indet

Hibiscus sp. Mt Robinson (G. Byrne 3537)

Hibiscus sturtii

Hibiscus sturtii var. *campylochlamys*

Hibiscus sturtii var. *platychlamys*

**Malvastrum americanum*

Melhania oblongifolia

Seringia exastia

Seringia nephrosperma

Sida ?arenicola

Sida ?cardiophylla

Sida ?echinocarpa

Sida ?ectogama

Sida ?sp. Articulation below (A.A. Mitchell PRP 1605)

Sida ?sp. Dark green fruits (S. van Leeuwen 2260)

Sida ?sp. L (A.M. Ashby 4202*)*

Sida ?sp. Pilbara (A.A. Mitchell PRP 1543)

Sida arenicola

Sida arsiniata

Sida echinocarpa

Sida ectogama

Sida fibulifera

Sida platycalyx

Sida sp. Articulation below (A.A. Mitchell PRP 1605)

Sida sp. dark green fruits (S. van Leeuwen 2260)

Sida sp. Excedentifolia (J.L. Egan 1925)

Sida sp. Golden calyces glabrous (H.N. Foote 32)

Sida sp. indet

Sida sp. L (A.M. Ashby 4202)

Sida sp. Pilbara (A.A. Mitchell PRP 1543)

Sida sp. Shovelanna Hill (S. van Leeuwen 3842)

Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)

Sida spinosa

Triumfetta ?chaetocarpa

Triumfetta chaetocarpa

Triumfetta leptacantha

Waltheria indica

Marsileaceae

Marsilea ?hirsuta

Marsilea sp. indet

Menispermaceae

Tinospora smilacina

Molluginaceae

Trigastrotheca molluginea

Moraceae

Ficus brachypoda

Myrtaceae

Calytrix carinata

Corymbia candida subsp. *candida*

Corymbia deserticola subsp. *deserticola*

Corymbia ferriticola

Corymbia hamersleyana

Eucalyptus ?kingsmillii

Eucalyptus camaldulensis subsp. *refulgens*

Eucalyptus gamophylla

Eucalyptus kingsmillii

Eucalyptus leucophloia subsp. *leucophloia*

Eucalyptus pilbarensis

Eucalyptus repullulans

Eucalyptus socialis subsp. *eucentrica*

Eucalyptus sp. indet

Eucalyptus trivalva

Eucalyptus victrix

Eucalyptus xerothermica

Lamarchea sulcata

Melaleuca argentea

Melaleuca bracteata

Melaleuca eleuterostachya

Melaleuca glomerata

Nyctaginaceae

Boerhavia coccinea

Boerhavia repleta

Boerhavia schomburgkiana

Boerhavia sp. indet

Commicarpus australis

Oleaceae

Jasminum didymum subsp. *lineare*

Oxalidaceae

Oxalis sp. Pilbara (M.E. Trudgen 12725) (P3)

Phyllanthaceae

Cathetus virgatus

Dendrophyllanthus erwinii

Nellica maderaspatensis

Notoleptopus decaisnei var. *orbicularis* (A.B. Craig 428)

Plantaginaceae

Stemodia grossa

Stemodia sp. indet

Stemodia viscosa

Poaceae

Acrachne racemosa

Amphipogon sericeus

Aristida burbidgeae

Aristida contorta

Aristida holathera var. *holathera*

Aristida inaequiglumis

Aristida latifolia

Aristida lazaridis (P3)

Aristida obscura

Aristida pruinosa

Aristida sp. indet

Bothriochloa ewartiana

**Cenchrus ciliaris*

**Cenchrus setiger*

**Chloris virgata*

Chrysopogon fallax

Cymbopogon ambiguus

Cymbopogon obtectus

Cynodon convergens

**Cynodon dactylon*

Cynodon prostratus

Dactyloctenium radulans

Dichanthium sericeum subsp. *sericeum*

Digitaria ammophila

Digitaria brownii

Digitaria ctenantha

**Echinochloa colona*

Enneapogon ?robustissimus

Enneapogon caerulescens

Enneapogon lindleyanus

Enneapogon polyphyllus

Enneapogon robustissimus

Enneapogon sp. indet

Enteropogon ramosus

Eragrostis ?eriopoda

Eragrostis cumingii

Eragrostis desertorum

Eragrostis elongata

Eragrostis eriopoda

Eragrostis exigua

Eragrostis setifolia

Eragrostis sp. indet

Eragrostis tenellula

Eriachne ?benthamii

Eriachne ?tenuiculmis

Eriachne aristidea

Eriachne benthamii

Eriachne helmsii

Eriachne lanata

Eriachne mucronata

Eriachne pulchella

Eriachne pulchella subsp. *dominii*

Eriachne pulchella subsp. *pulchella*

Eriachne tenuiculmis

Eulalia aurea

Eulalia simonii

Imperata cylindrica

Iseilema membranaceum

Iseilema sp. indet

**Melinis repens*

Panicum australiense var. *australiense*

Panicum decompositum

Panicum effusum

Neurachne muelleri

Paspalidium basicladum

Paspalidium clementii

Paspalidium constrictum

Paspalidium rarum

Paspalidium sp. indet

Perotis rara

Schizachyrium fragile

Setaria dielsii

Setaria surgens

**Setaria verticillata*

Sporobolus australasicus

Themeda avenacea

Themeda sp. Mt Barricade (M.E. Trudgen 2471)

Themeda triandra

Tragus australianus

Triodia angusta

Triodia brizoides

Triodia longiceps

Triodia pungens

Triodia sp. indet

Triodia sp. Mt Ella (M.E. Trudgen 12739) (P3)

Triodia vanleeuwenii

Triodia wiseana

Tripogonella loliiformis

Urochloa ?distachyos

Urochloa distachyos

Urochloa occidentalis var. *ciliata*

Urochloa piligera

Urochloa praetervisa

Polygalaceae

Polygala glaucifolia

Portulacaceae

Portulaca oleracea

Proteaceae

Grevillea berryana

Grevillea pyramidalis subsp. *leucadendron*

Grevillea saxicola (P3)

Grevillea sp. (?*saxicola*) (P3)

Grevillea wickhamii

Grevillea wickhamii subsp. *aprica*

Grevillea wickhamii subsp. *hispidula*

Hakea chordophylla

Hakea lorea subsp. *lorea*

Pteridaceae

Cheilanthes brownii

Cheilanthes lasiophylla

Cheilanthes sieberi subsp. *sieberi*

Rhamnaceae

Cryptandra monticola

Ventilago viminalis

Rubiaceae

Dolichocarpa crouchiana

Psydrax latifolia

Psydrax rigidula

Psydrax suaveolens

Scleromitrion galioides

Santalaceae

Anthobolus leptomerioides

Exocarpos sparteus

Santalum lanceolatum

Sapindaceae

Atalaya hemiglauca

Diplopeltis stuartii var. *stuartii*

Dodonaea coriacea

Dodonaea lanceolata var. *lanceolata*

Dodonaea pachyneura

Dodonaea petiolaris

Dodonaea viscosa subsp. *mucronata*

Dodonaea viscosa subsp. *spatulata*

Scrophulariaceae

Eremophila ?latrobei

Eremophila ?petrophila

Eremophila clarkei

Eremophila cuneifolia

Eremophila exilifolia

Eremophila forrestii subsp. *forrestii*

Eremophila fraseri subsp. *fraseri*

Eremophila jucunda subsp. *pulcherrima*

Eremophila lanceolata

Eremophila latrobei

Eremophila latrobei subsp. *filiformis*

Eremophila latrobei subsp. *glabra*

Eremophila latrobei subsp. *latrobei*

Eremophila longifolia

Eremophila naaykensii (P3)

Eremophila oppositifolia subsp. *angustifolia*

Eremophila petrophila subsp. *petrophila*

Eremophila phyllopoda subsp. *obliqua*

Eremophila platycalyx

Eremophila platycalyx subsp. *pardalota*

Eremophila sp. indet.

Solanaceae

**Datura leichhardtii*

Nicotiana benthamiana

Nicotiana occidentalis

Nicotiana rosulata

Nicotiana sp. indet

Solanum ?cleistogamum

Solanum ?horridum

Solanum centrale

Solanum cleistogamum

Solanum horridum

Solanum lasiophyllum

**Solanum nigrum*

Solanum phlomoides

Solanum sp. indet

Stylidiaceae

Stylidium weeliwolli (P3)

Surianaceae

Stylobasium spathulatum

Typhaceae

Typha domingensis

Violaceae

Afrohybanthus aurantiacus

Zygophyllaceae

Tribulopis angustifolia

Tribulus astrocarpus

Tribulus hirsutus

Tribulus macrocarpus

Tribulus sp. indet

Tribulus suberosus

**Tribulus terrestris*

Appendix L: Vegetation structural classification

Biologic ENVIRONMENTAL SURVEY

NVIS Vegetation Structural Classifications

Cover Characteristics							
Foliage cover *	70-100	30-70	10-30	<10	≈0	0-5	unknown
Crown cover **	>80	50-80	20-50	0.25-20	<0.25	0-5	unknown
% Crown cover ***	>80	50-80	20-50	0.25-20	<0.25	0-5	unknown
Cover code	d	c	i	r	bi	bc	unknown

Growth Form	Height Ranges (m)	Structural Formation Classes					
tree, palm	>30 Tall	closed forest	open forest	woodland	open woodland	isolated trees	isolated clumps of trees
	10-30 Mid						
	<10 Low						
tree mallee	10-30 Tall	closed mallee forest	open mallee forest	mallee woodland	open mallee woodland	isolated mallee trees	isolated clumps of mallee trees
	<10 Mid						
	<3 Low						
shrub, cycad, grass-tree, fern	>2 Tall	closed shrubland	shrubland	open shrubland	sparse shrubland	isolated shrubs	isolated clumps of shrubs
	1-2 Mid						
	<1 Low						
mallee shrub	10-30 Tall	closed mallee shrubland	mallee shrubland	open mallee shrubland	sparse mallee shrubland	isolated mallee shrubs	isolated clumps of mallee shrubs
	<10 Mid						
	<3 Low						
heath shrub	>2 Tall	closed heathland	heathland	open heathland	sparse heathland	isolated heath shrubs	isolated clumps of heath shrubs
	1-2 Mid						
	<1 Low						

Growth Form	Height Ranges (m)	Structural Formation Classes					
chenopod shrub	>2 Tall	closed chenopod shrubland	chenopod shrubland	open chenopod shrubland	sparse chenopod shrubland	isolated chenopod shrubs	isolated clumps of chenopod shrubs
	1-2 Mid						
	<1 Low						
samphire shrub	>0.5 Low	closed samphire shrubland	samphire shrubland	open samphire shrubland	sparse samphire shrubland	isolated samphire shrubs	isolated clumps of samphire shrubs
	<0.5 Mid						
hummock grass	>2 Tall	closed hummock grassland	hummock grassland	open hummock grassland	sparse hummock grassland	isolated hummock grasses	isolated clumps of hummock grasses
	<2 Mid						
tussock grass	>0.5 Mid	closed tussock grassland	tussock grassland	open tussock grassland	sparse tussock grassland	isolated tussock grasses	isolated clumps of tussock grasses
	<0.5 Low						
other grass	>0.5 Mid	closed grassland	grassland	open grassland	sparse grassland	isolated grasses	isolated clumps of grasses
	<0.5 Low						
sedge	>0.5 Mid	closed sedgeland	sedgeland	open sedgeland	sparse sedgeland	isolated sedges	isolated clumps of sedges
	<0.5 Low						
rush	>0.5 Mid	closed rushland	rushland	open rushland	sparse rushland	isolated rushes	isolated clumps of rushes
	<0.5 Low						
forb	>0.5 Mid	closed forbland	forbland	open forbland	sparse forbland	isolated forbs	isolated clumps of forbs
	<0.5 Low						
fern	>2 Tall	closed fernland	fernland	open fernland	sparse fernland	isolated ferns	isolated clumps of ferns
	1-2 Mid						
	<1 Low						
bryophyte	<0.5	closed bryophyte land	bryophyte land	open bryophyte land	sparse bryophyte land	isolated bryophytes	isolated clumps of bryophytes

Growth Form	Height Ranges (m)	Structural Formation Classes					
lichen	<0.5	closed lichenland	lichenland	open lichenland	sparse lichenland	isolated lichens	isolated clumps of lichens
vine	<0.5	closed vineland	vineland	open vineland	sparse vineland	isolated vines	isolated clumps of vines
	>30 Tall						
	10-30 Med						
aquatic	<10 Low	closed aquatic bed	aquatic bed	open aquatic bed	sparse aquatics	isolated aquatics	isolated clumps of aquatics
	<1 Tall						
seagrass	0-0.5 Low	closed seagrass bed	seagrass bed	open seagrass bed	sparse seagrass bed	isolated seagrasses	isolated clumps of seagrasses
	<1 Tall						

From: NVIS Structural Formation Terminology (Australian Vegetation Attribute Manual Version 7.0 November 2017 https://www.environment.gov.au/land/publications/australian-vegetation-attribute-manual-version-7)

* Foliage Cover is defined for each stratum as 'the proportion of the ground, which would be shaded if sunshine came from directly overhead'. It includes branches and leaves and is obtained by multiplying Crown Cover with Crown type (Hnatiuk *et al.*, 2009). It is applied to a stratum in a plot, rather than an individual crown, with the NVIS measure for a vegetation type ideally being a summary of several plots. Foliage Projective Cover, which considers only the vertical projection of photosynthetic components (generally leaves), can be measured by line interception methods for tree, shrub and ground layer vegetation (Specht & Specht, 1999).

** Crown Cover (canopy cover) as per Hnatiuk *et al.* (2009). Although relationships between this attribute and Foliage Cover are dependent on season, species, species age etc., the crown cover category classes have been adopted as the defining measure.

*** The percentage cover is defined as the percentage of a strictly defined plot area, covered by vegetation. This can be an estimate and is a less precise measure than using, for example, a point intercept transect method on ground layer, or overstorey vegetative cover. That is, for precisely measured values (e.g., crown densitometer or point intercept transects) the value measured would be 'foliage' cover. Where less precise or qualitative measures are used these will most probably be recorded as 'percentage' cover.

Appendix M: Vegetation condition rating scale

Keighery (1994) Vegetation Condition Rating Scale

Vegetation Condition	Eremaean & Northern Botanical Province
Pristine	N/A
Excellent	Pristine or nearly so, no obvious signs of disturbance or 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.

Appendix N: Significance assessment matrix

Scale	Significance	Values Supported by Vegetation / Community / Ecosystem
Regional To the bounds of relevant IBRA Bioregions and their subregions	**Regional significance** **Considered 'Significant' under BHP's data standards (BHP WAIO, 2023)**	• TECs; • Threatened flora species; • Flora of "Other" significance, specifically taxa with anomalous features not currently known to taxonomy which is likely conservation significant (T, P1, P2); • Regionally restricted vegetation; • Significant and restricted permanent GDE features and wetlands; • Features intersecting formal conservation reserves (i.e., National Parks).
Local To subregion/ IBRA Bioregion	**High: local** **Considered 'Significant' under BHP's data standards (BHP WAIO, 2023)**	• Priority 1 & 2 PECs, • Priority 1 & 2 flora species; • Priority flora that are restricted both within and outside of the Survey Area, and/ or at the edge of, or extend, the taxon's range; • Flora of "Other" significance, specifically taxa with anomalous features not currently known to taxonomy which is likely conservation significant (P3, P4) • Sub-regionally restricted vegetation; • 'High Potential GDV'/ semi-permanent GDE features and wetlands; • Significant and sub-regionally restricted IDE features and wetlands.
Local To the bounds of the Survey Area, inclusive of the furthest buffer of the completed DBCA Database Search for the desktop study	**Moderate: local**	• Priority 3 & 4 PECs; • Priority flora species that are restricted within the Survey Area but are common across the wider Hamersley subregion (mostly P3 & P4); • Priority flora that are common within the Survey Area but are restricted across the wider Hamersley subregion (most P3 and P4); • Flora of "Other" significance, specifically taxa with anomalous features not currently known to taxonomy that needs further investigation; • Significantly restricted vegetation/flora; • 'Medium Potential GDV'/ semi-permanent GDE features and wetlands; • Locally restricted IDE.
	Low: local	• Priority flora common across Survey Area and wider Hamersley subregion (mostly P3 and P4); • Flora of "Other" significance, specifically taxa with anomalous features currently known to taxonomy; • Ecosystems at Risk; • 'Low Potential GDV'/ semi-permanent GDE features and wetlands; • Locally common IDE; • Sheet-flow Dependent Ecosystems (commonly referred to as Overland Flow Dependent Ecosystems)
	Negligible: local	Support flora taxa and vegetation common to the Survey Area and region/subregion